CONSTRUCTION NEWS

Engineering News-Record, March 26, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Power plant, New Braunfels, Tex., San Antonio Public Service Co. plans new power plant, $5,000,000.

Office, Detroit, Mich., Book Estate plans 35 story and basement office, $3,000,000.

Plant, Jacksonville, Tenn., Du Pont Fiber Silk Co. plans 2 additional units, $2,750,000.

Sugar refinery, Sacramento, Calif., Northwestern Sugar Refining Co. plans sugar refinery, $1,500,000.

Road work, Groesbeck, Tex., Limestone Co. making plans to hard surface 40 mi. $1,300,000.

Office and store, Cedar Rapids, Iowa, Iowa Railway and Light Co. having plans prepared for 14 story and basement, $1,000,000.

Commerce Building, Cincinnati, Ohio, Chamber of Commerce having plans prepared, $1,000,000.

Bids Received

Subway, Philadelphia, Pa., Dept. City Transit, combination bid from Winston & Co., Inc., C. A. Locher and Frederick L. Cranford, Inc., $16,749,936; Keystone State Constr. Co., $16,863,437; Booth & Flinn, Ltd., $16,965,408; Patrick McGovern, Inc., $17,234,318; Arundel Corporation, $17,490,754; Rodgers & Hagerty, Inc., $17,900,173.

Gymnasium, Berkeley, Calif., University of California, for first unit, from K. E. Parker, $300,000.

Large Contracts Let During Week

Terminal and Office, Los Angeles, Calif., Subway Terminal Corporation to P. J. Walker Co., $2,500,000.

Commercial and Studio, Cleveland, Ohio, Syndicate to S. W. Emerson Co., $2,000,000.

Garbage disposal system, Kansas City, Mo., City to Paul Patton, $2,943,920.

Office, New York, N. Y., National Board of Fire Underwriters to J. Stewart & Co., Inc., $1,150,000.

Theater, Jackson Heights, N. Y., Grob & Knobel to M. J. Kramer & Son, $1,000,000.

High School, New York, N. Y., Catholic Archdiocese of New York to P. J. Brennan & Son, $1,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
Mar. 27	Brooklyn, N. Y.	Mar. 19
Mar. 30	Bridgewater, Mass.	Mar. 12
Mar. 31	Hagerstown, Md.	Mar. 12
Mar. 31	Mayville, Wis.	Mar. 19
Apr. 2	Oneida, N. Y.	Mar. 12
Apr. 2	Fond du Lac, Wis.	Mar. 26
Apr. 2	Brighton (Boston P. O.), Mass.	Mar. 26
Apr. 2	Boston, Mass.	Mar. 26
Apr. 3	Trenton, N. J.	Mar. 26
Apr. 3	Manitowoc, Wis.	Mar. 26
Apr. 6	Anderson, Ind.	Mar. 12
Apr. 6	New York Adv. Mar. 19 and 26.	Mar. 26
Apr. 6	Minneapolis, Minn.	Mar. 26
Apr. 6	Cincinnati, O.	Mar. 26
Apr. 8	Winona, Minn. Adv. Mar. 19 and 26.	Mar. 19
Apr. 9	Asheville, N. C. Adv. Mar. 26.	Mar. 26
Apr. 13	Bellingham, Wash.	Mar. 12
Apr. 14	Spartanburg, S. C. Adv. Mar. 5 to 26.	Mar. 5
Apr. 14	Wisconsin Rapids, Wis.	Mar. 19
Apr. 15	Apex, N. C. Adv. Mar. 19 and 26.	Mar. 19
SEWERS		
Mar. 27	Long Island City, N. Y.	Mar. 26
Mar. 30	St. George, N. Y.	Mar. 26
Mar. 30	Wilson, N. C.	Mar. 26
Mar. 30	Wilson, N. C.	Mar. 19
Mar. 30	San Diego, Calif.	Mar. 19
Mar. 31	Juniata (branch of Altoona), Pa.	Mar. 19
Mar. 31	Burbank, Calif.	Mar. 19
Mar. 31	St. Paul, Minn.	Mar. 26
Apr. 2	Rome, N. Y.	Mar. 5
Apr. 2	Cleveland, O.	Mar. 26
Apr. 2	New York, N. Y.	Mar. 26
Apr. 2	Massachusetts	Mar. 26
Apr. 8	Portsmouth, O. Adv. Mar. 26.	Mar. 26
Apr. 10	Trenton, N. J. Adv. Mar. 26.	Mar. 26
Apr. 15	Glasgow, Ky.	Mar. 26
Apr. 17	Flint, Mich. Adv. Mar. 26.	Mar. 26
Apr. 21	Westwood, N. J. Adv. Mar. 26.	Mar. 26
WASTE DISPOSAL		
Apr. 2	Buffalo, N. Y.	Mar. 19
Apr. 3	Durham, N. C. Adv. Mar. 26.	Mar. 26
BRIDGES		
Mar. 30	New Jersey	Mar. 12
Mar. 30	Leominster, Mass.	Mar. 26
Mar. 31	St. Paul, Minn.	Mar. 26
Mar. 31	Louisiana	Feb. 26
Mar. 31	Georgetown, S. C.	Mar. 12
Mar. 31	Louisiana	Mar. 19
Apr. 1	Huntington, W. Va. Adv. Mar. 5 to 26.	Mar. 5
Apr. 1	St. Aubert, Que.	Mar. 26
Apr. 2	Pennsylvania	Mar. 19
Apr. 2	Perth Amboy, N. J.	Mar. 12
Apr. 2	Hamburg, N. Y.	Mar. 12
Apr. 2	Kingstree, S. C.	Mar. 26
Apr. 6	North Dakota Adv. Mar. 26.	Mar. 26
Apr. 6	Red Bank, N. J. Adv. Mar. 19 and 26.	Mar. 26
Apr. 7	Washington	Mar. 26
Apr. 15	Phila., Pa. Adv. Mar. 26.	Mar. 26
Apr. 17	Dayton, O. Adv. Mar. 26.	Mar. 26
Apr. 21	Detroit, Mich. Adv. Mar. 26.	Mar. 26
RAILWAYS		
Apr. 6	Ontario	Mar. 26
DAM		
Apr. 7	Burton, B. C.	Mar. 19
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
Apr. 1	Clewiston, Fla.	Mar. 5
Apr. 1	Baltimore, Md.	Mar. 26
Apr 3	Vista, Calif.	Mar. 26
Apr. 6	Buffalo, N. Y. Adv. Mar. 19 and 26.	Mar. 19
Apr. 6	Ontario	Mar. 26
Apr. 10	Cleveland, Miss.	Mar. 26
Apr. 16	New York Adv. Mar. 26.	Mar. 26
Apr. 17	New York Adv. Mar. 26.	Mar. 26
Apr. 18	New York Adv. Mar. 26.	Mar. 26
Apr. 27	Leesburg, Fla. Adv. Mar. 12 to 26.	Mar. 12
STREETS AND ROADS		
Mar. 27	Pennsylvania	Mar. 12
Mar. 27	Deal, N. J.	Mar. 12
Mar. 27	Tennessee	Mar. 19
Mar. 27	Wyoming	Mar. 19
Mar. 27	North Beach Haven, N. J.	Mar. 19
Mar. 27	Michigan	Mar. 19
Mar. 27	Quebec	Mar. 19
Mar. 27	Long Island City, N. Y.	Mar. 26
Mar. 28	Missouri	Mar. 19
Mar. 29	California	Feb. 19
Mar. 30	Duluth, Minn.	Feb. 12
Mar. 30	Kingston, Pa.	Mar. 12
Mar. 30	Akron, O.	Mar. 12
Mar. 30	Central Falls, R. I. Adv. Mar. 19 and 26.	Mar. 19
Mar. 30	Millersburg, O. Adv. Mar. 19 and 26.	Mar. 19
Mar. 30	San Diego, Calif.	Mar. 19
Mar. 30	West Allis, Wis.	Mar. 26
Mar. 30	Gardner, Mass.	Mar. 26
Mar. 30	Kenosha, Wis.	Mar. 26
Mar. 30	Milwaukee, Wis.	Mar. 26
Mar. 30	Ontario	Mar. 26
Mar. 31	Milwaukee, Wis.	Mar. 26
Mar. 31	Toronto, Ont.	Mar. 26
Mar. 31	Welland, Ont.	Mar. 26
Mar. 31	Neenah, Wis.	Mar. 26
Mar. 31	Geneva, Ill.	Mar. 26
Mar. 31	Wisconsin	Mar. 26
Mar. 31	Maryland Adv. Mar. 26.	Mar. 26
Mar. 31	Water Valley, Miss.	Mar. 19
Mar. 31	Pennington, N. J.	Mar. 19
Mar. 31	Louisiana	Mar. 19
Mar. 31	Albany, Tex.	Mar. 19
Mar. 31	Quebec	Mar. 19
Mar. 31	Michigan	Mar. 19
Mar. 31	Trenton, N. J.	Mar. 19
Mar. 31	Massachusetts	Mar. 26
Mar. 31	Altoona, Pa.	Mar. 26
Mar. 31	Knoxville, Tenn.	Mar. 26
Apr. 1	Marshalltown, Ia.	Mar. 26
Apr. 1	Birmingham, Ala.	Feb. 19
Apr. 1	Tuscaloosa, Ala.	Feb. 19
Apr. 1	Cape May, N. J. Adv. Mar. 12 to 26.	Mar. 12
Apr. 1	Nevada	Mar. 19
Apr. 1	Baltimore, Md.	Mar. 26
Apr. 1	Appleton, Wis.	Mar. 26
Apr. 1	Eau Claire, Wis.	Mar. 26
Apr. 1	New York, N. Y.	Mar. 26
Apr. 1	St. George, N. Y.	Mar. 26
Apr. 1	Brooklyn, N. Y.	Mar. 26
Apr. 2	New York, N. Y.	Mar. 26
Apr. 2	Modesto, Calif.	Mar. 26
Apr. 2	Michigan	Mar. 19
Apr. 2	Louisiana	Mar. 19
Apr. 2	Mankato, Minn.	Mar. 26
Apr. 2	Preston, Minn.	Mar. 26
Apr. 3	Sumner, Miss.	Mar. 26
Apr. 3	Georgetown, S. C.	Mar. 26
Apr. 3	New York Adv. Mar. 19 and 26.	Mar. 19
Apr. 3	North Dakota	Mar. 5
Apr. 3	Cleveland Heights (Warrensville P. O.), O.	Mar. 26
Apr. 3	Two Rivers, Wis.	Mar. 26
Apr. 4	Quakertown, N. J.	Mar. 19
Apr. 6	Sardis, Minn.	Mar. 19
Apr. 6	New Jersey Adv. Mar. 19 and 26.	Mar. 19
Apr. 6	Sedalia, Mo.	Mar. 12
Apr. 6	California	Mar. 26
Apr. 6	Hudson, Wis.	Mar. 26
Apr. 6	Arizona	Mar. 26
Apr. 7	Santa Rosa, Calif.	Mar. 26
Apr. 7	Maryland Adv. Mar. 26.	Mar. 26
Apr. 7	Burbank, Calif.	Mar. 26
Apr. 7	North Dakota	Mar. 5
Apr. 7	Washington	Mar. 26
Apr. 8	Portsmouth, O. Adv. Mar. 26.	Mar. 26
Apr. 8	Stanton, Neb.	Mar. 26
Apr. 8	Nevada	Mar. 26
Apr. 8	Michigan	Mar. 26

Bids Close		See Eng. News-Record
Apr. 9	Arkadelphia, Ark. Adv. Mar. 19 and 26.	Mar. 19
Apr. 14	Marion, Ia	Mar. 19
Apr. 14	Norman, Okla.	Mar. 26
Apr. 14	St. Louis, Mo.	Mar. 26
Apr. 14	Louisiana	Mar. 26
Apr. 14	Columbus, Miss.	Mar. 26
Apr. 18	Pennsylvania Adv. Mar. 26.	Mar. 26
Apr. 21	Menasha, Wis.	Mar. 26
June 1	Duluth, Minn.	Mar. 12

BUILDINGS—COMMERCIAL

Mar. 27	Buffalo, N. Y.	Mar. 12
Mar. 28	Bowling Green, O.	Mar. 19
Mar. 30	Mt. Vernon, Ind.	Mar. 12
Mar. 30	Royal Oak, Mich.	Mar. 26
Mar. 31	Washington	Mar. 12
Mar. 31	Urbana, Ill.	Mar. 19
Mar. 31	Toronto, Ont.	Mar. 19
Mar. 31	Des Moines, Ia.	Mar. 26
Mar. 31	Fairfield, Ill.	Mar. 26
Mar. 31	Creston, Ia.	Mar. 26
Apr. 1	Zanesville, O.	Feb. 19
Apr. 1	San Francisco, Calif.	Mar. 12
Apr. 1	Wichita, Kan.	Mar. 19
Apr. 1	Williamstown, Mass.	Mar. 19
Apr. 1	Donora, Pa.	Mar. 26
Apr. 1	New London, Conn.	Mar. 26
Apr. 2	Galvin, O.	Mar. 26
Apr. 3	Uniontown, Pa.	Mar. 26
Apr. 3	Woodbury, Ore.	Mar. 26
Apr. 3	Salem, Ore.	Mar. 26
Apr. 4	Cleveland, O.	Mar. 26
Apr. 4	New Braunfels, Tex.	Mar. 26
Apr. 6	Cleveland Heights (Warrensville P. O.), O.	Mar. 19
Apr. 7	San Antonio, Tex.	Mar. 19
Apr. 8	Brooklyn, N. Y. Adv. Mar. 19 and 26.	Mar. 19
Apr. 9	Racine, Wis.	Mar. 26
Apr. 10	Boston, Mass.	Mar. 26
Apr. 11	Euclid, O.	Mar. 19
Apr. 13	Harrisburg, Pa.	Mar. 19
Apr. 13	Harrisburg, Pa.	Mar. 26
Apr. 20	Minneapolis, Minn.	Mar. 19
Apr. 23	Taylor, Pa.	Mar. 26
May 1	Johnstown, Pa.	Mar. 19
May 7	San Antonio, Tex.	Mar. 26
July 14	Phila., Pa.	Feb. 19

FEDERAL GOVERNMENT WORK

Mar. 27	Dredging—Providence, R. I.	Feb. 26
Mar. 27	Drainage—Baltimore, Md.	Mar. 12
Mar. 27	Roofing—Florence, Ala.	Mar. 19
Mar. 27	Gravel and Sand—Milwaukee, Wis.	Mar. 19
Mar. 28	Dredging—Charleston, S. C.	Feb. 26
Mar. 30	Post Office—Thibodaux, La.	Mar. 12
Mar. 31	Sheet Piling—Louisville, Ky. Adv. Mar. 5 to 26.	Mar. 5
Mar. 31	Earthwork—Memphis, Tenn. Adv. Mar. 12 to 26.	Mar. 12
Mar. 31	Repairs—Fort Wright (Fishers Island P. O.), N. Y. Adv. Mar. 12 to 26.	Mar. 12
Apr. 1	Alterations—Norfolk, Va.	Mar. 12
Apr. 2	Breakwater Repairs—Burlington, Vt. Adv. Mar. 19 and 26.	Mar. 19
Apr. 4	Dredging—Galveston, Tex. Adv. Mar. 5 to 26.	Mar. 5
Apr. 6	Dredging—Brooklyn, N. Y. Adv. Mar. 19 and 26.	Mar. 19
Apr. 8	Hangars—Pearl Harbors, H. T.	Feb. 19
Apr. 8	Surfacing—San Diego, Calif.	Mar. 26
Apr. 9	Dredging — New York, N. Y. Adv. Mar. 12 to 26.	Mar. 12
Apr. 10	Cement—Louisville, Ky. Adv. Mar. 12 to 26.	Mar. 12
Apr. 10	Dwellings—West Huntington, Va.	Mar. 26
Apr. 14	Tug—Milwaukee, Wis. Adv. Mar. 19 and 26.	Mar. 19
Apr. 15	Water Tank—Guantanamo Bay, Cuba Adv. Mar. 19 and 26.	Mar. 12
Apr. 15	Removing Wreck—Norfolk, Va. Adv. Mar. 19 and 26.	Mar. 19
Apr. 15	Post Office—Amherst, Mass. Adv. Mar. 26.	Mar. 26
Apr. 15	Garage—Point St. George, Calif.	Mar. 26
Apr. 16	Repairs—Governors Island, N. Y. Adv. Mar. 26.	Mar. 26
Apr. 16	Lime—Louisville, Ky. Adv. Mar. 19 and 26.	Mar. 19
Apr. 21	Recreation—Northampton, Mass. Adv. Mar. 26.	Mar. 26

UNCLASSIFIED

Mar. 27	Subway—Brooklyn, N. Y.	Mar. 19
Mar. 27	Station Finish—Long Island City, N. Y.	Mar. 19
Mar. 30	Park Improvements—Minneapolis, Minn.	Mar. 19
Mar. 31	Heating, Ventilating, etc., Ithaca, N. Y.	Mar. 12
Mar. 31	Police and Fire Alarm — Mobile, Ala.	Mar. 5
Apr. 1	Underpass—Winnemucca, Nev.	Mar. 19
Apr. 1	Undergrade Crossing — Nevada	Mar. 26
Apr. 2	Inspection Sheds—New York, N. Y.	Mar. 26
Apr. 3	Subway—New York, N. Y.	Mar. 26
Apr. 6	Undergrade Crossing — California	Mar. 26
Apr. 6	White Way—Altamont, Ill.	Mar. 26
Apr. 7	Tunnel Work—New York, N. Y. Adv. Mar. 19 and 26.	Mar. 26
Apr. 9	Underground Conduit—Detroit, Mich.	Mar. 26
Apr. 16	Fire Protection — Newark, N. Y. Adv. Mar. 19 and 26.	Mar. 12
Apr. 23	Tunnel—Sonyea, N. Y. Adv. Mar. 26.	Mar. 26
May 8	Tunnel—New York, N. Y. Adv. Mar. 5 to 26.	Mar. 5

MATERIAL AND EQUIPMENT

Mar. 30	Snow Plows—Delaware	Mar. 12
Mar. 30	Asphalt Heaters—Milwaukee, Wis.	Mar. 26
Mar. 31	Concrete Mixer—Milwaukee, Wis.	Mar. 26
Mar. 31	Steel—Nebraska	Mar. 26
Mar. 31	Asphalt, Road Oil, etc. — Toronto, Ont.	Mar. 26
Mar. 31	Tractor, etc.—St. George, N. Y.	Mar. 26
Mar. 31	Rock Asphalt—Nashville, Tenn.	Mar. 26
Mar. 31	Brick, etc.—St. Paul, Minn.	Mar. 26
Mar. 31	Cement, etc. — Holyoke, Mass.	Mar. 26
Apr. 1	Basin Cleaning Machines — New York, N. Y.	Mar. 26
Apr. 1	Crane — Melbourne, Australia	Feb. 19
Apr. 2	Gasoline Loader, etc.—Minneapolis, Minn.	Mar. 26
Apr. 2	Screen and Loading Outfit—Fairbault, Minn.	Mar. 26
Apr. 3	Oil Distributor—Minneapolis, Minn.	Mar. 26
Apr. 3	Street Flusher and Truck — Wauwatosa, Wis.	Mar. 12
Apr. 4	Road Machinery—Bowbells, N. D.	Mar. 26
Apr. 4	Tractors—Austin, Tex.	Mar. 26
Apr. 6	Road Oil—Fresno, Calif.	Mar. 26
Apr. 7	Maintenance Machine—Stillwater, Minn.	Mar. 26
Apr. 8	Road Machinery—Fargo, N. D.	Mar. 19
Apr. 8	Asphalt, etc.—Springfield, Mass.	Mar. 26
Apr. 9	Graders—Trenton, N. J. Adv. Mar. 26.	Mar. 26
Apr. 22	Street Signs—Miami Beach, Fla. Adv. Mar. 26.	Mar. 26

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Me., Orono — Penobscott Water Co., having preliminary plans prepared by Metcalf & Eddy, archts. and engrs., 14 Beacon St., Boston, Mass., for filtration plant.

Mass., Boston — Dept. Pub. Wks plans new mains from reservoirs in Beacon St. and Commonwealth Ave. To exceed $15,000. J. A. Rourke, comr.

Mass., Lawrence—Plans sand filter, constructing and equipping turbine driven centrifugal pump and auxiliaries, 140 hp., filter capacity 5 m.g. per day. To exceed $15,000. Morris Knowles, Inc., Westinghouse Bldg., Pittsburgh, Pa., engrs.

N. C., Laurel Park — State Legislature authorized city of Laurel Park to issue $150,000 bonds water and sewerage systems.

N. C., Marion — State Legislature authorized city of Marion to issue $25,000 bonds improving and enlarging water and sewerage systems.

Ind., Lapel—Town Bd. plans waterworks supply system.

Ill., Oquawka—Soon takes bids waterworks, incl. pumping equipment, reservoir, distribution mains, etc. $20,000. Caldwell Eng. Co., 502 Ayres Bank Bldg., Jacksonville, engrs.

Ia., State Center—Making plans waterworks improvements, incl. reservoir, filtration plant, elevated tank and pumping station. $45,000. Brown & Cook, Ottumwa, engrs. Noted Mar. 5.

Minn., Stillwater — Voted $35,000 bonds waterworks improvements. J. A. P. Abercrombie, city engr.

Kan., Haviland—Election Apr. 7, $60,000 bonds for waterworks, incl. pumping equipment, tank on tower, distribution mains, etc. $60,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Kan., Larkin — Election Apr. 6, $33,000 bonds for waterworks and distribution system. E. T. Archer & Co., 612 New England Bldg., Kansas City, Mo., engrs.

Mo., Chaffee — Defeated $55,000 bonds, water extension, etc. Noted Feb. 26.

Tex., Abilene—See "Sewers."

Tex., Idalou—Takes bids after Mar. 30 new waterworks well, pumping equipment, tank and tower. $30,000 bonds voted. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs. Noted Mar. 12.

Tex., Port Lavaca—Election soon $60,000 bonds distribution system, and filter plant. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Oct. 2.

Okla., Tonkawa—Takes bids after Apr. 1, waterworks improvements, incl. 2 additional wells or dam across Chickasha River, and treatment plant. $35,000. Ruckel Eng. Co., Interurban Bldg., Hutchinson, Kan., engrs. Noted Feb. 19.

Ariz., Phoenix—Salt River Valley Water Users Assn., election Apr. 7, $450,000 bonds, additional pumping facilities on Salt River Project.

Calif., Hemet—Plans election $25,000 or more bonds for waterworks. F. Stetson, city engr.

Ont., Forest—Plans 25,000 ft. 6, 8 and 12 in. c.i. main extensions. $90,000. W. J. English, town clk.

Ont., North Bay — Making plans 10,000 ft. 6, 8 and 12 in. c.i. mains in various streets. $39,500. F. G. Mackie, town engr.

Ont., Toronto—East York Twp. Municipal Yard, Sammon Ave., plans 14,0 0 ft. 6 in. mains in various streets. $35,000. G. R. Jack, twp. engr.

B. C., Point Grey — Election Mar. 28, $150,000 bonds, extending waterworks. W. B. Greig, 5851 West Blvd., Vancouver, engr.

B. C., Vancouver—Takes bids about Mar. 20, 14½ mi. 36 in. steel riveted water main extensions, and 600 ft. tunnel at Burwell Lake. $1,250,000. C. Brackenridge, city engr.

BIDS DESIRED

Mass., Boston—Apr. 2, by Supply Dept., 1,200 tons 48-in. B. pipe, and twelve 36 in. gate valves for high pressure fire service to Pub. Wks., Dept. Water Serv. F. P. Rock, supt.

Mass., Brighton (Boston P. O.)—Apr. 2, by Pub. Wks. Dept., Boston, laying and relaying mains in Rogers Park Ave., Foster, Goodenough, Lake, Kendrick, Taylor and Willoughby Sts., here. $15,000. J. A. Rourke, comr.

New York — Apr. 6, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, furnishing and laying 6 in. c.i. main on Albany Post Rd. 3,000 ft. north of Harmon Sta. to Croton Point Park, J. Downer, ch. engr.; adv. E. N.-R. Mar. 26.

N. J., Trenton—Apr. 3, by City Comn., 225 tons 6 in. and 50 tons 4 in. pipe, 3,600 curb stops, 1,000 extension boxes, and 25 extension service boxes, etc. A. Bugbee, City Hall, engr.

N. C., Asheville — Apr. 9, in Council Chamber, City Hall, c.i. mains, concrete conduit and spillway, etc. C. E. Waddell & Co., Jackson Bldg., engrs.; adv. E. N.-R. Mar. 26.

O., Cincinnati—Apr. 6, by Director Pub. Serv., 300,000 sq.ft. granite pipe relining west basin of Eden Park Reservoir with 300,000 sq.ft. gunite concrete. $75,000. F. Krug, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—See "Sewers."

O., Coitsville (Mail Youngstown) — Mahoning Co. (Youngstown), taking bids 13 mi. mains, here. $131,419.

Wis., Fond du Lac—Apr. 2, by Bd. Pub. Wks., J. F. Hohensee, secy., superstructure for 1 story, 44 x 160 ft., brick and concrete pumping station addition. J. E. Hennen, North Main St., engr.

Wis., Manitowoc — Apr. 3, by A. H. Zander, city clk., addition to water supply system. Former bids rejected. Noted Feb. 19.

Minn., Minneapolis — Apr. 6, by F. S. Gram, city purch. agt., steel pipe and fittings for filter plant under construction, 820 lin.ft. 54 in. riveted steel pipe ¼ in. thick, 892 lin.ft. 54 in. riveted steel pipe 7/16 in. thick; 4,498 lin.ft. 50 x ½ in. or (alternate)

Waterworks (Continued)

18 in. & 8 in. lock bar steel pipe, etc. N. W. Elsberg, city engr.

Tex., Jayton—Taking bids waterworks, inc. tank and tower, 3 or 4 mi. 6 in. pipe line from present reservoir. $50,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., engrs. Noted Mar. 12.

BIDS RECEIVED

Pa., Phila. — Dept. Pub. Wks., Bureau Water, small pipe lines in streets to be repaved, Contr. 743, from M. and J. B. McHugh, 892 North Markoe St., $34,205; (1) 600 fire hydrants, (2) three hundred 6 in. valves, (3) twenty-five 12 in. valves, Contr. 744, from Champan Valve Mfg. Co., 1011 Filbert St., (2 and 3) $10,395; from A. P. Simon Mfg. Co., East Orange, N. J., (1, 2 and 3) $48,490.

Wis., La Crosse—Dept. Pub. Wks., c/o W. Fries, secy., Mar. 12, extending 12,176 ft. 4- to 20-in. c.i. mains, 20,734 lb. special castings, 15 hydrants, etc., from De Graff Wolff, 985 Scheffer St., St. Paul, Minn., $43,450. Noted Mar. 5.

Wis., Milwaukee—Central Bd. Purchases, D. W. Hoan, chn., Mar. 17, to Water Dept., 1,000 tons 6 in., 1,000 tons 8 in., and 500 tons 12 in. c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago Ill., and Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill., each bid $47.50 per ton for all sizes of pipe; also two 54 in. gate valves, f.o.b. Milwakuee at Center St. team track of Chicago, Milwaukee & St. Paul R.R., from Kennedy Valve Mfg. Co., 116 East Miller St., Elmira, N. Y., $2,764 each.

Minn., St. Paul — H. W. Austin, city purch. agt., Mar. 10, one 300,000 gal. steel reservoir on concrete foundation, at McCarron's Station, from Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, Ia., $8,680. Noted Mar. 5.

Mo., Kansas City—A. J. Stewart, purch. agt., Contr. 1, waterworks extension, 15,000 ft. concrete lined pressure tunnel, 7 ft. 6 in. inside diam. with uptake and downtake shafts, 280 ft. deep with appurtenances, from Smith Bros., 2701 Coombs St., Dallas, Tex., $1,372,300; Contr. 2, 11,000 ft. concrete lined pressure tunnel, 6 ft. inside diam. with uptake and downtake shafts and one intermediate construction shaft, 140 ft. deep with appurtenances, from A. L. Patterson & Co., Macon, Ga., $787,994; Contr. 6, 14,300 ft. 54 in. and 6,000 ft. 42 in. steel pipe conduit, etc., from Halpine Boyle Constr. Co., Kansas City, $625,980; Contr. 7, two 24 and eight 35 m.g. centrifugal pumps without motors three 3,500, two 500, and two 250 g.p.m. centrifugal pumps with motors, also erecting pumps and motors in Contr. 8, from D'Olier Centrifugal Pump Co., 165 Bway., New York City, N. Y., $50,000; Contr. 8, two 2,000 and eight 400 hp. synchronous motors and five 30 kw. motor generator sets, from Westinghouse Electric & Mfg. Co., Chamber of Commerce Bldg., Pittsburgh, Pa., $49,650; Contr. 9, 3 switchboards, etc., from Independent Electric Machine Co., 20th and Central Sts., $78,000; Contr. 10, one outdoor substation, from General Electric Co., River Rd., Schenectady, N. Y., $32,719; Contr. 14, valves, from Kennedy Valve Co., East Water St., Elmira, N. Y., $95,624; Contr. 15, c.i. pipe and castings, from Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., $171,065. Noted Feb. 19. Contr. 5, East Bottoms pumping station and reservoirs, from Carrothers Constr. Co., 310 Walsix Bldg., $682,220; Contr. 12, 24 m.g. filtration plant with filtered water basin of 2½ m.g. capacity, secondary pumping station for five 35 m.g. electric motor driven units, chemical store house equipped for manufacture of alum, chlorine house and appurtenances, from Chanute Constr. Co., Chanute, Kan., $1,228,971; Contr. 13, intake on Missouri River and low lift pumping station on both pile foundations, together with water screens, connecting pipes, footbridge, revetment work and appurtenances, from List & Weatherly Constr. Co., 416 Ry. Exch. Bldg., $222,350; Contr. 11, 4 concrete 3½ m.g. settling tanks, two 1 m.g. concrete mixing tanks, three 12½ m.g. coagulating basins, two 7½ m.g. concrete final basins, connecting conduits and drains, grading around structures and appurtenances, from J. Black Masonry & Constr. Co., 517 Federal Reserve Bank Bldg., Omaha, Neb., $1,663,020.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Narrows Ave., etc., here, to Grippo Contg. Co., 85 Webster Ave., Long Island City, $10,500. Noted Mar. 19.

N. C., Charlotte—Sharon Water Co., laying 3½ mi. mains, etc., to connect with city waterworks, to W. A. Ebert, Latta Arcade, $50,000.

Miss., Natchez—Bd. Water Comrs., 500,000 gal. steel tank on 150 ft. tower, etc., to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., approximately $30,000. Noted Feb. 26.

La., Mansura — Mayor and Bd. Aldermen, crude oil engines, power pumps, motor driven centrifugal pumps, c.i. pipe, etc., to A. M. Lockett Co. Ltd., 521 Baronne St., and General Electric Co., Maison Blanche Bldg., New Orleans, $21,400. Noted Feb. 12.

Wis., Milwaukee—Central Bd. Purchases, to J. B. Clow & Sons, 544 South Franklin St., Chicago, Ill., 22 tons pipe at $0.0725 per lb., for Water Dept.

Wis., Phillips—City Clerk, 22,850 ft. 4- to 8-in. c.i. main extensions, 32 valves, 35 hydrants, etc., to W. L. Martin, Albert Lea, Minn., $40,954. Noted Feb. 26.

Minn., St. Paul—To Waterous Fire Engine Wks., 80 Fillmore Ave. E., 200 single steamer 5 in. valve fire hydrants $82.02 each, and 20 double steamer 6 in. valve fire hydrants $105.82 each.

Tex., Galveston—Rein.-con. reservoir, to Davis-Price & Co., 1306½ Young St., Dallas, $108,950.

Ore., Portland—Fittings for Waterworks Dept., to Walworth Mfg. Co., 69 North 12th St., $48,458 (subject to 5% discount for cash in 30 days); pipe and fittings, to Pearless Pacific Co., Portland, $16,315 (subject to 2% discount for cash in 30 days).

Calif., Sacramento—For 190 ft. concrete chamber wall, 20 ft. high, etc., in filtration plant, to W. Murcell, Ochsner Bldg., $28,296. Noted Feb. 19.

Calif., Vallejo—City Council for electric welded steel pipe, 58,540 ft. 24 in. ⅜ in. thick, 20,660 ft. 24 in. ½ in. thick, and 35,620 ft. 22 in. ⅜ in. thick, for Gordon Valley Municipal Water Project, to Western Pipe & Steel Co., 444 Market St., San Francisco, $344,000. Noted Feb. 19.

Sewers

PROPOSED WORK

N. C., Hamlet — State Legislature authorized city of Hamlet to issue $25,000 bonds sewerage purposes.

N. C., Laurel Park—See "Waterworks."

N. C., Marion—See "Waterworks."

O., Canton—Bd. Control soon takes bids Central South West Storm Sewer, Sect. 2, in 12th St. southwest from Dartmouth St. to west corporation line, and in Concord Ave. from 12th St. to point 260 ft. north. $55,273. W. E. Sarver, city engr.

O., Elyria — Making plans sewer lines and sewage treatment plant. $600,000. G. B. Gascoigne, 1149 Leader-News Bldg., Cleveland, engr.

Mich., Detroit—Made plans sewers (**L. means Lateral**) 701 ft. 4 ft., 874 ft. 3 ft. 6 in., 296 ft. 3 ft. and 286 ft. 2 ft. 6 in. cylinder, 299 ft. 24 in., 125 ft. 20 in., 3,295 ft. 18 in., 4,543 ft. 15 in., and 4,268 ft. 12 in. vitr. pipe in L. 4268; 259 ft. 20 in. vitr. in L. 4287; 5,073 ft. 12- to 20-in. in L. 4298, 2,813 ft. 12- to 24-in. in L. 4299; 2,318 ft. 12- to 20-in. in L. 4301; 2,544 ft. 12- to 24-in. in L. 4302; 1,414 ft. 12- to 18-in. in L. 4304; 6,823 ft. 12 in. to 4 ft., 1,016 ft. 4 ft., 159 ft. 2 ft. 9 in. and 606 ft. 2 ft. 6 in. cylinder in L. 4305; 9,351 ft. 12 in. to 3 ft. 6 in. 110 ft. 3 ft. 6 in., and 299 ft. 3 ft. cylinder in L. 4306; 3,085 ft. 12- to 24-in. vitr. in L. 4307; 5,620 ft. 12- to 24-in. vitr. in L. 4310; 6,711 ft. 12- to 36-in. vitr. and 130 ft. 36 in. cylinder in L. 4314; 1,947 ft. 15- to 18-in. vitr. in L. 4316; 2,298 ft. 12- to 24-in. vitr. in L. 4217; 1,445 ft. 12- to 18-in. vitr. in L. 4319; 9,149 ft. 12- to 24-in. vitr. in L. 4320; 1,610 ft. 12- to 20-in. vitr. in L. 4223; 692 ft. 12- to 15-in. vitr. in L. 4327; 368 ft. 15 in. vitr. in L. 4324; and 469 ft. 12- to 15-in. vitr. in L. 4328. G. Jerome, city engr.

Ill., Lake Forest—North Shore Sanitary Dist., J. Oliver, pres., Highland Park, making preliminary plans disposal plant, incl. Imhoff tank, sludge beds, chlorinating tank and grit chamber. $35,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ill., Morris—Postponed indefinitely taking bids which were to be received about Mar. 15, sanitary sewerage system. $26,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs. Noted Feb. 19.

Mo., St. Clair—Plans complete sanitary sewerage system. $25,000 bonds election in April. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Tex., Abilene—Making plans purification plant and extending water-mains and sewers. $50,000. J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr. Noted Mar. 5.

Tex., San Angelo — Election Apr. 11, $275,000 bonds complete sanitary sewerage system with disposal plant. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Feb. 10.

Tex., Weslaco — Voted $25,000 bonds, sanitary sewers. R. E. Snodgrass, mayor.

Okla., Holdenville—Election Apr. 7, $96,000 bonds, new sewage disposal plants and 15,600 ft. 12 and 15 in. vitr. clay outfall sewers, Imhoff tanks, etc. C. H. Edge, Holdenville, engr. Noted Mar. 5.

Calif., Los Angeles — Rescinded contract for sewers in Central Ave. between Florence and Manchester Aves. Noted Jan. 22.

Calif., Pomona — Plans sewage disposal plant. $85,000 or more. F. C. Froehde, city engr.

Calif., San Dimas — Plans Elrod treatment plant for sewage disposal. To exceed $25,000.

Calif., San Francisco—See "Streets and Roads."

Calif., San Luis Obispo—Plans completed sewage disposal plant replacing present sewer farm. To exceed $25,000. Engineer not selected.

Calif., Venice — Plans sewers in Rialto, Linden, Lincoln Sts., etc. To exceed $25,000. H. D. Chapman, city engr.

BIDS DESIRED

Massachusetts—Apr. 2, by Metropolitan Dist. Co., 1 Ashburton St., Boston, 3,325 lin.ft. sewer in Mill Brook Valley Sewer Sect. 78, North Metropolitan System in Arlington and Medford. $40,000 bonds voted. Noted July 31.

N. Y., Long Island City—Mar. 27, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Bway., 40th Rd. and Winthrop Ave.

N. Y., New York—Apr. 2, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in DeWitt Pl., Knapp St., Gun Hill and Eastchester Rds., Riverdale, Mace, Seymour, Arnow, Morgan, Hammersley and Adee Aves.

N. Y., St. George — Mar. 30, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sanitary sewers in New Dorp, Oakwood and vicinity.

N. J., Trenton — Apr. 10, by Bd. City Comrs., constructing sewage disposal plant, etc. A. C. Gregory, Municipal Bldg., sewer engr. G. A. Johnson & G. L. Watson, 150 Nassau St., New York City, associated consult. engrs.; adv. E. N.-R. Mar. 26.

N. J., Westwood — Apr. 21, by Mayor and Council, 17 mi. sanitary sewers. T. F. Bowe, 110 William St., New York City, consult, engr.; adv. E. N.-R. Mar. 26.

Ky., Glasgow — Apr. 15, by Sewerage Committee, L. M. Goodman, chn., 39,000 ft. 8- to 12-in. vitr. sewers and sedimentation tank. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. Mar. 26.

O., Cleveland — Apr. 2, by City, sewers in Issler Court, Bellaire Rd., Schuyler and Stickney Aves., East 39th, West 55th, 152nd and 159th Sts. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Taking bids sewer and water mains in Boynton, Castleton, Hazelton, Radcliff, St. Albans and Woodridge Rds. To exceed $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Portsmouth—Apr. 8, by C. W. Wilson, Dir. Pub. Serv., sewage treatment plant, in Sciotoville Dist. known as Div. "B" of Sciotoville Sanitary Sewerage System. C. S. Stevenson, city engr.; adv. E. N.-R. Mar. 26.

Mich., Flint—Apr. 17, by F. D. King, city clk., intercepting sewer and inverted siphons, Contr. S. D. 2. J. L. Transue, mayor; adv. E. N.-R. Mar. 26.

Minn., St. Paul—Mar .31, by H. W. Austin, city purch. agt., constructing Belt Line, Phalen and Hazel Park sewerage system, Contr. B, Margaret-Minnehaha Branch. $275,000. G. M. Shepard, city engr. Noted Jan. 29.

Tex., San Augustine—Taking bids enlarging and improving sewerage system. $35,000. W. B. French, San Augustine, engr. Noted Jan. 28.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, City Hall, Mar. 11, 11,500 ft. main and lateral sewers in Sanitary District. G-13, Contr. 219, from Adams & Marino Co., 216 St. Paul St., $86,653.

O., Akron—W. F. Peters, dir. Pub. Serv., Mar. 16, Case and Johnson Sts., Trunk Sewer, 3,100 ft. long, and Willow Run Trunk Sewer, 5,200 ft. 24- to 90-in. brick pipe, from McAlonan Bros., 506 Woodland Ave., $65,203 and $284,975 respectively, engrs. est. $99,950 and $320,000 respectively; Portage-Sunnyside Dist. Trunk Sewer, 3,850 ft. 36- to 60-ft. rein.-con. and brick pipe, from F. George, 1657 Mahoning Ave., Youngstown, $56,422, engrs. est. $74,000. Noted Mar. 5.

Ill., Decatur — Bd. Trustees Sanitary Dist., Mar. 9, 4,200 ft. intercepting and

Sewers (Continued)

1,900 ft. overflow sewers, etc., from File & Collins, Decatur, monolithic construction in open cut and segmental tile in tunnel $147,000; W. L. Martin, Albert Lee, Minn., concrete pipe in open cut and segmental tile in tunnel $162,902, segmental tile throughout $158,818. Noted Feb. 12.

Mo., Farmington — See "Streets and Roads."

Calif., Corona — City Clerk, Mar. 10, sewage treatment plant, from R. F. Ware, 2146 East 38th St., Los Angeles, $100,922. Engrs. est. $101,500. Noted Nov. 13.

Calif., Los Angeles — Supervs. Los Angeles Co. Drainage Impvt. Dist. 11, Mar. 9, 218,000 cu.yd. excav., 47,400 cu.yd. concrete, 4,750,000 lb. steel, 30,540 ft. 6- to 10-in. vitr. concrete pipe, 22,450 ft. 24- to 72-in. rein.-con. pipe, 6,400 sq.yd. macadam paving, 6,000 cu.yd. sand and gravel, 40,000 ft. treated timber piling, 3,500 ft. 18 in. vitr. or concrete connecting pipe, etc., from T. Kelly & Sons, Hill-Street Bldg., approximately $1,474,000. Noted Feb. 26.

CONTRACTS AWARDED

O., Euclid—Sewers in Bliss Rd., 1st Sect., to Hadded-Mall Co., Schofield Bldg., Cleveland, $22,950; 2nd Sect., to C. Hadded, Davis & Farley Bldg., Cleveland, $11,880.

O., Portsmouth—C. W. Wilson, dir. Pub. Serv., separate sanitary and storm sewers, to S. E. Frowine, 1664 Highland Ave., $61,264. Noted Feb. 5.

Mich., Detroit — To Detroit Drainage Constr. Co., 5099 Lemay Ave., vitr. crock sewer in Lateral 4297 $3,700, Lateral 4300 $5,365, Lateral 4303 $19,995, and Lateral 4308 $12,597.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., 4,363 ft. 30 in. concrete and 5,144 ft. 18 and 24 in. terra cotta sewer, etc., in Sect. 2, Lincoln Ave., to G. E. Zimmermann, 3402 Grand Ave., $215,626. Noted Mar. 12.

Wis., Phillips—City Clerk, 15,000 ft. 8 in. vitr. sewer tile, 11,200 ft. 10- to 15-in. sewers in various streets, disposal plant, etc., to Eklund Constr. Co., 14 North 58th Ave., West Duluth, Minn., $37,775. Noted Feb. 26.

Ia., Correctionville—For 23,000 ft. 8- to 12-in. sewers in various streets, 75 manholes, Imhoff tank, etc., to E. L. Royer Constr. Co., Des Moines, $35,500. Engrs. est. $40,000. Noted Feb. 26.

S. D., Madison — Sewage disposal plant, to McHose Sand & Tile Co., 1st Natl. Bank Bldg., Boone, Ia., $47,649.

Okla., Pittsburg—City Clerk, 18,200 ft. 6- and 12-in. vitr. clay sewers in all streets, septic tank, etc., to Sherman Iron Wks., 18 East Main St., Oklahoma City, $26,120. Engrs. est. $27,000. Noted Mar. 12.

Calif., Glendale — City Clerk, lateral sewers in Sect. 4, to J. Artukovich, 614 North Bunker Hill, Los Angeles, $17,286; Sects. 5, 8 and 11, to Culjak & Bebeck, 425 West 78th St., Los Angeles, $101,436; Sects. 6, 7, 9, 10 and 11, to J. G. Donovan, 741 Lyon St., $68,280. Noted Feb. 5.

B. C., South Vancouver—Will lay 6.04 mi. sewers at Ceddar Cottage on 20th to 34th Aves., by day labor. $147,000. E. D. Todd, Municipal Hall, engr.

Waste Disposal

PROPOSED WORK

Ont., Toronto—Plans garbage incinerator, concrete, brick and steel, Wellington St. $85,000. R. C. Harris, city engr.

BIDS DESIRED

N. C., Durham—Apr. 3, by A. T. Crutchfield, city purch. agt., 3 incinerators; adv. E. N.-R. Mar. 26.

CONTRACTS AWARDED

N. Y., Rye—W. Selzer, village clk., 30 ton incinerator north of Rye Beach Ave. and west of Blind Brook, to Morse-Boulger Destructor Co., 39 Cortlandt St., New York City, $41,976. Noted Mar. 12.

Mo., Kansas City—New garbage disposal system for 10 year period, to P. Patton, 1700 Campbell St., $2,943,920. Contractor plans to expend $250,000 on equipment incl. trucks, tractors, trailers and wagons. Noted Feb. 26.

Tex., Lubbock—Owner, c/o J. R. Germany, one 20 ton incinerator, to Natl. Incinerator Co., Dallas, Tex., $21,818. Engrs. est. $25,000.

Bridges

PROPOSED WORK

La., Shreveport—Making plans 2,500 ft. rein.-con. and steel viaduct, over Kansas City Southern and Louisiana & Arkansas Ry. tracks. $500,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Ohio—See "Streets and Roads."

Mich., Monroe—Detroit & Ironton Ry., Springwells, made plans six 45 ft. span rein.-con. bridge, 20 ft., with ballasted deck 8 ft. high above Raisin River, in Raisinville Twp. $160,000. W. E. Wilkie, Springwells, bridge supt.

Tex., San Angelo—City election Apr. 11 (extended date) $20,000 bonds concrete and steel bridge over North Concho River on Abe St., for City and Tom Green Co. Terrell Bartlett Engineers, 612 Calsasieu Bldg., San Antonio, engrs. Total $40,000. Noted Mar. 12.

Tex., San Antonio — Bexar Co. making plans 110 ft., steel and concrete bridge over San Antonio River, on St. Marys St. $45,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., engrs.

California — State Hy. Comn., Sacramento, rejected bids Mar. 2, 2,180 ft. rein.-con. span bridge over San Juan Creek, Ornage Co. Noted Mar. 12.

California—State Hy. Dept., Sacramento, making plans bridge across Coachella storm water drain, Riverside Co. $35,000. Riverside Co. appropriates $18,000 toward cost. R. M. Morton, highway engr.

Calif., San Francisco — City and San Francisco Co. making plans rein.-con. bridge at San Jose Ave. $175,000-$200,000. M. M. O'Shaughnessy, city engr.

Ont., Toronto — Plans rebuilding North Glen Rd. Bridge, 650 ft. long, 66 or 86 ft. wide, steel arches, concrete piers and abutments. $600,000. R. C. Harris, city engr.

Que., Les Ecoumains—Plans constructing bridge. $35,000. Engineer's name withheld. J. Bouliane, city secy.

Que., Montmorency—Dept. Pub. Wks., City Hall, Quebec, plans 230 ft. span bridge over Montmorency River, here. $2200,000. A. Surveyor, 274 Beaver Hall Hill, Montreal, engr.

B. C., Vancouver—See "Unclassified."

BIDS DESIRED

Mass., Leominster — Mar. 30, by Pub. Wks. Dept., 2 arch 65 ft. rein.-con. bridge over Nashua River, at Merrimac St. To exceed $25,000. S. J. Pitcher Co., Worcester, engrs.

N. J., Red Bank—Apr. 6, by State Hy. Comn., Trenton, constructing new highway bridge over Navesink River at M. P. 90.8, Route 4, near here, Monmouth Co.; adv. E. N.-R. Mar. 26.

Pa., Phila.—Apr. 15, by Delaware River Bridge Joint Comn., 806 Widener Bldg., steel reinforcing trusses for bridge over Delaware River connecting cities of Phila. and Camden, Contr. 21 A. G. Pinchot, chn.; adv. E. N.-R. Mar. 26.

S. C., Georgetown — See "Streets and Roads."

S. C., Kingstree—Apr. 2, at office Supervisor Williamburg Co., five treated timber bridges over Black River on State Route 412, State Project 563. State Highway Engineer, 1626 Main St., Columbia, engr.

O., Dayton—Apr. 17, at office Dept. Pub. Serv., Island Park Bridge, concrete over Great Miami River, at Helena St. G. F. Maker, dir.; adv. E. N.-R. Mar. 26.

Mich., Detroit — Apr. 21, by Bd. Rd. Comrs. Wayne Co., 1103 Real Estate Exch. Bldg., substructure of double leaf bascule bridge, at Dix Ave. crossing of Rouge River; adv. E. N.-R. Mar. 26.

North Dakota — Apr. 6, by State Hy. Comn., Bismarck, 2 bridges over Missouri River, one at or near Sanish, and other at or near Williston. W. G. Black, ch. engr. and secy.; adv. E. N.-R. Mar. 26.

Washington—Apr. 7, by State Hy. Comn., Olympia, 221 ft. T beam type rein.-con. bridge on State Rd. 2, King Co. J. Allen, state highway engr.

California—See "Unclassified."

Que., St. Aubert—Apr. 1, by A. Dube, 85 ft. concrete bridge, for City. $30,000. I. E. Vallee, c/o Dept. Pub. Wks., Quebec, engr.

BIDS RECEIVED

Pa., Oakdale — Alleghany Co. (Pittsburgh) concrete and stone bridge over Robinson Run, joining State St. and Union Ave., here, from M. G. Moshitis, Arrott Bldg., Pittsburgh, $45,974. Engrs. est. $49,000.

Delaware—State Hy. Dept., Dover, 148 ft. concrete bridge at Rehoboth, Contr. SC 30 A, from A. S. Fox, 15 West Side Building & Loan Bldg., Dayton, O., $30,647. Noted Mar. 5 under "Streets and Roads."

Md., Baltimore—Bd. Awards, constructing Rogers Ave. Bridge, steel and concrete, at Western Maryland Ry., from H. L. Straus, Eureka Life Bldg., $58,000. Noted Mar. 5.

Calif., Bandini (Mail Rivera) — Union Pacific Ry., Pacific Electric Bldg., Los Angeles, 500 ft. rein.-on. bridge, 60 ft. over Telegraph Rd. here, from Ryberg Bros., Kerns Bldg., Salt Lake City, Utah, approximately $30,250.

CONTRACTS AWARDED

Va., Roanoke — Constructing 13th St. Bridge over Roanoke River, to W. W. Bagley & Co., Roanoke, $258,043.50. This corrects report in Mar. 19 issue.

S. C., Winnsboro—Fairfield Co., 394 ft. rein.-con. bridge over Little River, on Winnsboro-Newberry Rd., to Latimer & Peake, Batesburg, $27,076.

Fla., Tampa — City Comn., City Hall, 2 strauss trunnion bascule bridges over Hillsborough River, 1 on Platt St. and other on Cass St., to Tibbets, Pleasant, Green & Beckman, Tulsa, Okla., $400,000. Noted Mar. 5.

Ohio—See "Streets and Roads."

Ia., Toledo—Tama Co., 2 I-beam bridges, to Perry Constr. Co., Perry, $8,781; two pony truss bridges, to A. Nulberg, Vinton, $4,403; one 40 ft. I-beam approach with pier and abutments and removal of 90 ft. span, to Fifield Constr. Co., Waterloo, $14,862.

Neb., Red Cloud—Webster Co. repairing existing concrete and steel bridge over Republican River, 1.5 mi. south of here, to General Constr. Co., 722 Peters Trust Bldg., Omaha, $30,000.

S. D., Forest City — State Hy. Comn., Pierre, highway bridge over the Missouri River, here, to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo. Former contract rescinded. Noted Jan. 1.

Colorado—State Hy. Dept., Denver, 325 ft. steel bridge over Apishapa River, also 30 ft. bridge over nearby canal with gravelled approaches, to L. F. Williams, 347 Thatcher Bldg., Pueblo, $56,435. Noted Mar. 5.

Ore., Myrtle Point — State Hy. Comn., Salem, to P. Hennessy, Marshfield, bridge over North Fork Coquille River, near here, Coos Co., 1,390 lin.ft. trestle $17 per lin.ft., 40,000 ft. lumber $15, 125,000 lb. structural steel $0.075 and 21,000 lb. reinforcing $0.07, etc., total $50,260.

Dams

PROPOSED WORK

Calif., Banning—See "Excavation, Drainage, Irrigation, Levees."

Que., St. Joseph D'Alma—Price Bros & Co., 56 St. Pierre Ave., Quebec, plans new concrete dam, here. $2,000,000. H. Cimon, 144 Grande Allee, Quebec, engr.

Railways

PROPOSED WORK

North Carolina — State Legislature authorized Blowing Rock Twp. in Watauga Co. to issue $30,000 bonds to aid construction of Linville River Ry. L. A. Green, Sands, chn. Bd. Comrs. Watauga Co.

Florida — Seaboard Air Line Ry., 107 Plume St., Norfolk, Va., plans 20 mi. railroad from Brooksville to Inverness, here. $400,000. W. D. Faucette, ch. engr.

BIDS DESIRED

Massachusetts — Eastern Massachusetts Street Railway Co., 1 Beacon St., Boston, taking bids about 6,500 ft. railway track on Hancock St., in Quincy. Private plans.

Ontario and Quebec — Apr. 6, by W. H. Maund, secy. treas. Nipissing Central Ry., North Bay, Ont., extending 37 mi. single track railway from Larders Lake Sta. Ont. to Osisko Lake, Rouyn Twp., Que., incl. earth and rock excav., piling, concrete culverts, bridges (except steelwork on bridges), timber trestles, etc. $1,750,000. S. B. Clement, ch. engr.

CONTRACTS AWARDED

Kansas—Atchison, Topeka & Santa Fe R.R. Co., Railway Exch. Bldg., Chicago, Ill., Topeka. O. J. Ogg, div. supt., Hutchinson, will lay tracks, etc., in Hutchinson, by day labor. $200,000. C. E. W. Felt, ch. engr.

Missouri — Missouri, Kansas & Texas R.R., Railway Exch. Bldg., St. Louis, will build concrete pier and pile trestle approach to bridge on Houston division, $50,000; additional trackage at Springtown, Okla., $21,000; car sidings, cinder pit, etc., at McKittrick, Mo., $30,000; replace 341 ft. pile trestle with creosoted ballast deck trestle on Dallas division, $19,000, by day labor. F. Ringer, ch. engr. This corrects report in Mar. 12 issue.

Missouri—Kansas City Terminal Rys. Co., Union Sta., Kansas City, will build new store room and lay about 1 mi. new switch track, by day labor. $150,000. J. V. Hanna, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Kan., Wichita — Making preliminary plans retaining walls, levees and rip rap fill on west bank of Little Arkansas River between Woodman and Grieffenstein Bridges. $25,000. P. L. Brockway, City Hall, engr.

Calif., Banning—A. Violette (interested), 908 Almitos Ave., Long Beach, plans irrigating 20,000 acres, constructing 50,000 acre ft. concrete storage dam, 50 ft. high, 350 ft. long and 6½ ft. wide on top, 250 ft. long on bottom, 3 mi. flume 4 ft. dia. concrete or metal conduit, 11 mi. 4 x 4 ft. earth ditch. $250,000.

BIDS DESIRED

New York—Apr. 16, by R. K. Fuller, comr. Canals & Waterways, 55 Lancaster St., Albany, excavating Erie Canal, Sect. 5, Contr. 225; Champlain Canal, Sects. 1 and 2, Contr. 226, in old Erie Canal prism, Terminal Contr. 97 (revised), and Barge canal terminal harbor at Albany, Terminal Contr. 99; Apr. 17, Erie Canal, Sects. 2 and 3, Contr. 223; Apr. 18, Erie Canal, Sect. 4, Contr. 224; adv. E. N.-R. Mar. 26.

Md., Baltimore—Apr. 1, by Bd. Awards, City Hall, dredging in harbor. F. W. McKinney, Recreation Pier, acting harbor engr.

Miss., Cleveland — Apr. 10, by Comrs. Clear Creek D. D., Bolivar Co. at office W. W. Boone, engr., Cleveland, 210,025 cu.yd. excav. on Ditch A and 11,600 cu.yd. excav. on Ditch C.

Tex., Corsicana — Texas Constr. Co., Trinidad, taking bids 2 mi. dyke, containing 300,000 cu.yd., on Trinity River 20 mi. east of here. B. I. Moran, Trinidad, supt.

Calif., Long Beach—City Council taking bids dredging 1,000 ft. harbor entrance channel, 25 ft. deep, 200 ft. wide at bottom, (additional 10 ft. dredged later) total project requires 2,820,000 cu.yd. excav. $85,000. R. D. Van Alstine, city engr.

Calif., Vista—Apr. 3, by Directors Vista Irrigation Dist., irrigation work, incl. 204 ft., 1,340 ft. and 530 ft. tunnels; 35,500 ft. Gunite bench flume, 43,000 cu.yd. excav.; 18,700 ft. 28 in. riveted steel or 27 in. lock-bar pipe or as an alternative 18,700 ft. 36 in. riveted steel or 35 in. lock-bar pipe; 7,360 ft. 42 in. gravity concrete, and 3,950 ft. 42 in. rein.-con. pipe line. J. B. Lippincott, Central Bldg., Los Angeles, engr. Noted Sept. 18.

Ontario—Apr. 6, by F. Ritchie, clk. West Gwillimbury Twp., Gilford, Holland River Marsh drainage system, consisting of reclaiming and draining part of Holland Marsh in West Gwillimbury and King Twps., and in village of Bradford. $150,000. A. Baird, Royal Bank Bldg., Sarnia, engr.

BIDS RECEIVED

Calif., Los Angeles—See "Sewers."

CONTRACTS AWARDED

La., Port Allen — Bd. Comrs. Choctaw Basin D. D., W. L. Bernard, secy., drainage canals and clearing right of way in gravity Sub-Dist. 1, West Baton Rouge Parish, 800,000 cu.yd. excav., 164 acres clearing, etc., to J. Kohler, Memphis, Tenn., $95,250. Noted Mar. 5.

Mo., Bigelow—Big Tarkio D. D. will excavate 850,000 cu.yd. material, by day labor, Leslie Eng. Co., 820½ Felix St., St. Joseph, engrs.

Tex., Eagle Pass — See "Streets and Roads."

Calif., San Francisco—State Bd. Harbor Comm., Ferry Bldg., 160,000 cu.yd. dredging trench, to Amer. Dredging Co., 255 California St. $48,000 and to F. W. Camp, 734 Bush St., Proposals 1 and 2 each $0.60 per ton. Constructing dike, 172,000 to 200,000 tons native rock, Noted Mar. 12.

Streets and Roads

PROPOSED WORK

Massachusetts — Dept. Pub. Wks., Div. Highways, Court House, Boston, plans probably bituminous macadam paving 2½ mi. road from Templeton to East Templeton. To exceed $50,000. State and towns appropriate toward cost. W. F. Williams, comr.

Massachusetts — Dept. Pub. Wks., Div. Highways, Court House, Boston, plans cement paving about 5 mi. from Wrentham to Plainville, 60 ft. $250,000. W. F. Williams, comr.

Mass., Dorchester (Boston P. O.)—City of Boston plans paving Hallet and Christopher Sts., here. $30,000. J. A. Rourke, Dept. Pub. Wks., Boston, comr.

Mass., Milton—Bd. Selectmen plans new roads and street improvements. $95,000 appropriated. Engineer not selected.

Mass., West Roxbury (Boston P. O.) — City of Boston, plans constructing Brandeen St. from Washington St. to Rosindale Brook, here. $25,000. J. A. Rourke, Dept. Pub. Wks., Boston, comr.

N. Y., Buffalo—Erie Co. plans widening 18 mi. Niagara Falls Blvd. to 40 ft., concrete. To exceed $200,000. G. C. Diehl, Ellicott Sq. Bldg., engr.

W. Va., Buckhannon — Voted $65,000 bonds, paving various streets. H. G. Storm, Buchannon, engr.

Miss., Bay St. Louis—Making preliminary plans grading, curbing and hard-surfacing various streets. $180,000.

Miss., Laurel—Jones Co. voted $75,000 bonds improving roads in Beat Three.

Miss., Ripley—Tippah Co. defeated $300,000 bonds for roads. Noted Feb. 19.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 6 mi. highway from Federal Aid Project 8 to Tipton Co. line. J. G. Creveling, highway comr.

Tenn., Ashland City — Cheatham Co. making surveys improving 16 mi. Ashland City-Kingston Springs Rd.

Tenn., Memphis—Shelby Co. plans grading, curbing, asphalt on concrete and old brick surfacing 3,120 ft. Jackson Ave. from Manassas to Breedlove Sts. $29,768. W. Fowler, Court House, engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids Feb. 20, grading, bridging and rein.-con. paving 0.979 mi. and 0.637 mi. Sect. "Newcomerstown" Uhrichsville-New Comerstown Rd., Tuscarawas Co. Noted Feb. 12.

O., Canton — Plans grading, widening and sheet asphalt or brick repaving 2nd St. N. W., $38,100; grading, paving, curbing and laying sidewalks on 8th St. N. W. $52,418; grading, brick guttering, concrete curbing and sidewalks on Lafayette St. S. E., $25,000-$35,000. W. E. Sarver, City Hall, engr.

O., Canton—Bd. Control takes bids in spring improving Cherry Ave. S. E., and Sherrick Rd. S. E. $80,000. W. E. Sarver, City Hall, engr.

O., Cincinnati — Hamilton Co., Court House, plans resurfacing various roads, 165,000 gal. tar and 4,820 cu.yd. sand, $49,055. E. A. Gast, Court House, engr.

O., Cincinnati—Hamilton Co. plans surface treating various roads, 105,500 gal. heavy oil and 5,600 cu.yd. sand. $48,165. E. A. Gast, Court House, engr.

O., New Waterford — Plans improving South Main St. to intersection of Middletown Rd. $25,000.

O., Zanesville — Muskingum Co. takes bids in spring improving 2 mi. Chandlersville Rd., 18 ft. $65,000.

Ind., Bloomfield—Greene Co. plans grading and graveling 3 mi. Fitzpatrick Rd., 24 ft. $26,000. H. Schlott, Bloomfield, engr.

Ind., Bluffton—Wells Co. plans grading and graveling Herrmann Rd., 24 ft. $25,368. C. Devenport, Bluffton, engr.

Ill., Belleville—Making preliminary plans grading curbing and concrete surfacing McClintock Ave. Paving Dist. $81,000. C. A. Hunzleman, city engr.

Ind., Decatur—Adams Co. plans grading and crushed stone paving 2.56 mi. Mills Rd., 24 ft. $26,000. D. Boch, Decatur, engr.

Ind., Plymouth—Marshall Co. plans grading and graveling 3 mi. Krouse Rd., 24 ft. $26,000. J. Hildbrand, Plymouth, engr.

Ind., Portland—Jasper Co. plans grading and graveling 2.9 mi. Luers Rd., 24 ft. $25,800. H. Teeters, Portland, engr.

Wisconsin—Darlington Co. voted $29,068 bonds improving various roads in towns of Wiota, Belmont, Seymour, Lamont, Kendall, Willow Springs, Fayette, Schullsburg and New Diggings, H. I. Shockley, comr.; Hurley Co., $30,881 bonds in Mercer, Anderson, Saxon and Sherman, W. Weber, comr.; Jefferson Co., $103,836 bonds in Concord, Ixonia, Koshkonong, Waterloo, Sumner, Palmyra, Cold Springs, Aztalan, Farmington, Milford, Sullivan and Lake Mills, R. D. Royce, Jefferson, comr.; Kenosha Co., $141,476 bonds in Paris, Bristol, Salem, Randall, Wheatland, Pleasant Prairie and Somers, J. Herzog, comr.; Kewaunee Co., $80,550 bonds in Casco, Ahnapee, Carlton, Franklin, Lincoln, Luxemberg, Montpelier, Red River, West Kewaunee, Algoma and Kewaunee, H. Griese, Kewaunee, comr.; La Crosse Co., $144,811 bonds in Burns, Greenfield, Holland, Washington and Bangor, J. Hintgen, comr.; Mauston Co., $19,256 bonds in Plymouth, Wonewoc, Finley, Clearfield, Armenia and Kingston, A. V. Robison, New Lisbon, comr.

Wis., Beloit—Bd. Pub. Wks. soon takes bids sheet asphalt, rein.-con., asphaltic concrete or 3 in. vertical fibre brick paving 112,000 sq.yd. 26 streets. G. E. Heebink, City Hall, engr. Noted Aug. 14.

Wis., De Pere — M. J. Maes, city clk., soon takes bids rein.-con., sheet asphalt, Warrenite or vibrolithic concrete paving 12,172 sq.yd. Huron St. and 11,880 sq.yd. Wisconsin St. F. M. Charlesworth, Jr., City Hall, Kaukauna, engr. Noted Nov. 27.

Wis., Kaukauna—L. C. Wolf, city clk., soon takes bids rein.-con., vibrolithic concrete, Warrenite concrete or sheet asphalt paving, 14,560 sq.yd. Draper and Taylor Sts. F. M. Charlesworth, Jr., City Hall, engr.

Wis., Marinette—Making plans rein.-con. paving 6 blocks Carney Blvd. To exceed $25,000. A. L. Hillis, City Hall, engr.

Minn., Moorhead—Plans paving 8 blocks 7th St. S., between 1st and 9th Aves. $35,000. R. G. Price, city clk.

Kan., Fredonia—Wilson Co. making preliminary plans grading, etc., 14 mi. various primary roads, 28 ft. C. P. McDonald, Fredonia, engr.

Kan., Kansas City—Wyandotte Co. plans grading and concrete surfacing 1 mi. Woestemeyer Rd., and 2.5 mi. Woodward, Buchan and Garrett Rds., both 18 ft.; also grading and waterbound surfacing 1.5 mi. W.-P. Overton Rd., 16 or 18 ft. O. K. Williams, Court House, engr.

Kan., Kansas City—Wyandotte Co. plans grading and bituminous macadam paving 3 mi. H. Olsen and Thomas Mann Rd.; grading and waterbound or bituminous macadam paving 4½ mi. Samuel Clarke Highway; and concrete paving 4 mi. Leavenworth Rd., all 18 ft. O. K. Williamson, Court House, engr.

Mo., Kirksville—Plans paving 27 blocks various streets. B. Crabtree, Kirksville, engr.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, soon takes bids grading Graham St. $2,390; granite curbing and Willite surfacing Kansas Ave. $14,160; granite curbing, asphalt on concrete surfacing Ruskin St. $39,000 and West Park St. $48,090; concrete curbing and paving Veronica St., $10,500. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis — Bd. Pub. Serv. made plans grading, paving, etc., 18 alleys in City Blocks 1562, 1570, 1645, 2729, 2759, 2760, 2997, 3686, 4517-N, 4602-E, 5127, 5364, 5429-A and B, 5525, 5531, 5532, 5121, concrete $65,960, or brick on concrete $98,880. W. W. Horner, 300 City Hall, engr.

Mo., Webb City—Election Apr. 7. $15,000 bonds (city's share) for street work. Total between $21,000 and $25,000.

Ark., Hot Springs — Making preliminary plans grading and gravel surfacing 4 mi. in Hot Springs Natl. Park, 18 ft. $53,000. J. Bolton, Hot Springs, supt.

Tex., El Campo—Election soon $60,000 (or more) bonds paving various streets. Address W. L. Ballew, mayor.

Tex., Falfurrias — Brooks Co. making plans concrete paving 14.18 mi. State Highway 12, 18 ft. $300,000. R. Harrison, Falfurrias, engr.

Tex., Falfurrias — Brooks Co. making plans concrete surfacing 2.52 mi. State Highway 12, 18 ft. $38,000. R. Harrison, Falfurrias, engr.

Tex., Gonzales — Gonzales Co. making plans asphalt macadamizing 19 mi. State Highway 81, 18 ft. $336,000. J. G. Irby, Gonzales, engr.

Tex., Groesbeck—Limestone Co. making plans hard surfacing 40 mi. Dists. 4, 12 and 16, 16 ft. $1,300,000 bonds voted. H. Boyett, Pittman Bldg., Mexia, engr.

Tex., San Angelo—Election Apr. 11, $80,000 bonds for additional street paving. E. I. Jackson, city mgr.

Tex., Waco — Rejected bids paving 10 various streets. $90,000. Plans will be revised and bids called later. V. G. Koch, city engr. Noted Feb. 26.

Okla., Anadarko—Plans grading and concrete surfacing 10,100 sq.yd. Central Blvd. and Mission St. $40,000. J. C. Milliken, Chickasha, engr.

Okla., Chickasha—Plans grading, curbing and concrete surfacing 7,000 sq.yd. 13th St. from Kansas to Minnesota Sts. $27,500. J. C. Milliken, Chickasha, engr.

Okla., Duncan — Stephens Co. election Apr. 7, $245,000 bonds, gravel surfacing 325,000 sq.yd. Lee Highway. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., El Reno—Plans grading concrete curbing, guttering and sheet asphalt surfacing 5,600 sq.yd. Williams St., $30,000; and 6,300 sq.yd. Russell and Oak Sts. $37,000. F. H. Peckham, 227 West Grand St., Oklahoma City, engr.

Okla., Lawton — Comanche Co. voted $400,000 bonds, gravel surfacing 98 mi. various roads, 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Feb. 26.

Okla., Nowata — Stephens Co. election Apr. 7, $245,000 bonds, improving Lee Highway.

Okla., Pawhuska — Plans grading, concrete curbing and sheet asphalt surfacing

Streets and Roads (Continued)

6,000 sq.yd. Indian Village St. $36,000. J. M. Buckley, Pawhuska, engr.

Nev., Las Vegas—Clark Co. plans election $25,000 bonds for road construction.

Ariz., Tombstone — Cochise Co. plans grading and gravel surfacing 12 mi. Chiricahua Mt. Rd. $60,000. S. Smith, Tombstone, engr.

Calif., Colusa—Plans 4 in. asphaltic concrete surfacing, Willite process, Jay St. $25,000 or more.

Calif., El Centro—Plans election $42,000 bonds, paving Main, 4th, Sandalwood, Len Rey Sts., etc.

Calif., Hermosa Beach — Made plans curbing, sidewalks, concrete paving East 1st and Lyndon Sts., etc. To exceed $25,000. H. R. Taylor, city engr.

Calif., Los Angeles — Plans paving San Fernando Rd. between Huron St. and city limits. $100,000 or more. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles—Soon takes bids improving Beacon St. between Santa Cruz and 4th Sts., 75,752 cu.yd. cut within street lines, 50,648 cu.yd. 1 to 1 slope, total 126,400 cu.yd. H. A. Van Norman, City Hall, engr.

Calif., Martinez — Contra Costa Co., making plans improving streets in Kensington Park, Impvt. Dist. 2. To exceed $25,000. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Calif., Marysville — Plans paving 25 blocks various streets. To exceed $25,000. L. B. Crook, city engr.

Calif., Mayfield—Plans vibrolithic concrete paving 37 blocks of various streets. To exceed $25,000. C. Moser, 651 Homer Ave., Palo Alto, engr.

Calif., Pasadena — Plans election $700,000 bonds, improving Green St. between South Marengo and South Orange Sts. W. C. Earle, city engr.

Calif., Santa Ana—Orange Co. making plans 5½- to 8-in. concrete surfacing La Palma Ave., Road Impvt. Dist. 41. $25,000. J. L. McBride, Santa Ana, co. road comr.

Calif., San Francisco — Plans grading, sewers and retaining wall, etc., on (paving later), Roosevelt Way between 14th and Clayton Sts. $90,000. M. M. O'Shaughnessy, city engr.

Ont., Hamilton—Wentworth Co. plans to expend $125,000 on new roads and highway improvements, concrete. A. Lumsden, Court House, engr.

Ont., Ottawa — Bd. Control, soon takes bids asphalt paving 1st and 2nd Aves. $30,000. A. F. Macallum, city engr.

Ont., Stratford—Plans cement paving 1½ mi. various streets. $45,000. A. Manson, city engr.

Ont., Walkerville — Plans widening Walker Rd. $100,000. A. E. Cook, city engr.

B. C., Point Grey — Election Mar. 28, $250,000 bonds general and permanent road construction. W. B. Greig, 5851 West Blvd., Vancouver, engr.

BIDS DESIRED

Massachusetts—Mar. 31, by Dept. Pub. Wks., Boston, concrete paving 14,595 ft. highway from Taunton to Berkley. To exceed $100,000. W. F. Williams, comr.

Mass., Gardner — Mar. 30, by F. W. Proctor, supt. streets, rein.-con. paving about 7,500 sq.yd. two locations, also 20 ton single type self supporting reinforcement Havenmayer bars and 15 ton ½ in. square deformed bar; adv. E. N.-R. Mar. 26.

N. Y., Brooklyn—Apr. 1, by J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging 80th St. from 11th to 12th Aves., and 80th St. from 15th to 16th Aves., Ave. T, Bay Ridge Ave., East 28th, East 42nd, West 6th, 54th, 76th and 77th Sts.; asphalt paving Bay Ridge and 6th Aves., Ave. T, East 28th, 31st, 71st, 77th, 82nd and East 31st Sts., also 76th St. from 14th to 15th Aves., and 76th St. from 19th to 20th Aves.

N. Y., Long Island City — Mar. 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sheet asphalt repaving Franklin and Central Aves.

N. Y., New York—Apr. 1, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving East 124th St.; and granite block repaving West 124th St.

N. Y., New York—Apr. 1, by J. Miller, pres. Manhattan Boro, Municipal Bldg., laying and relaying sidewalks and curb when and where directed during 1925; also repairing asphalt wood block, granite block and oak key block pavements in railroad area.

N. Y., New York—Apr. 2, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing, sidewalks, etc., on Sagamore St.; and sheet asphalt paving Holland and Sheridan Aves.

N. Y., St. George—Apr. 1, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and concrete paving Hylan Blvd. Contr. 4.

Pennsylvania — Apr. 18, by Dept. Hys., Harrisburg, bituminous on concrete or rein.-con. surfacing 51 mi. 8 projects in 8 counties. P. D. Wright, secy. highways; adv. E. N.-R. Mar. 26.

Pa., Altoona—Mar. 31, by B. Keatley, comr. City Council, City Hall, concrete paving 25,000 sq.yd. 21 streets and avenues. $80,000. H. J. Baum, city engr.

Maryland — Mar. 31, by State Rds. Comn., Baltimore, concrete shoulders on 3 sections highway in Baltimore Co.; concrete paving 5 sections highway in Carroll, Kent, Baltimore and Queen Annes Counties. J. N. Mackall, chn.; adv. E. N.-R. Mar. 26.

Maryland—Apr. 7, by State Rds. Comn., Baltimore, constructing 6 sections highway in Washington, Howard, Baltimore, Charles, Talbot and Wicomico Counties. J. N. Mackall, chn.; adv.. E. N.-R. Mar. 26.

Md., Baltimore—Apr. 1, by Bd. Awards, City Hall, sheet asphalt paving 9,900 sq.yd. Contr. 275-OCOA, and concrete paving 15,930 sq.yd. Contr. 274-NA. S. C. Rowland, 214 East Lexington St., acting chn. paving com.

S. C., Georgetown — Apr. 3, at office Georgetown Co. Hy. Comn., grading and sand clay surfacing 16,739 cu.yd. State Route 40, State Project S-580, also seven 14 ft. spans treated timber bridge over Six Mile Creek. J. M. Martin, Florence, engr.

Miss., Columbus—Apr. 14, by Mayor and City Council, grading, curbing, guttering, brick, asphalt or concrete surfacing 27,000 sq.yd. 3rd, College and North 5th Aves. R. L. Totten, Inc., B. M. Bldg., Birmingham, Ala., engr.

Miss., Sumner—Apr. 3, by Bd. Supervs. Tallahatchie Co., grading and gravel surfacing 20 mi. various roads, 18 ft. M. H. James, Sumner, engr.

Louisiana—Apr. 14, by State Hy. Comn., Reymond Bldg., Baton Rouge, hard surfacing 7.5 mi. New Orleans-Jefferson Highway from Kenner to Shrewsbury, 18 ft. W. B. Roberts, ch. engr.

Tenn., Knoxville—Mar. 31, by City, paving various streets, 21,905 sq.yd. brick on 5 in. concrete and 1,336 sq.yd. 6 in. concrete. F. M. Connolly, 432-3, Peoples Trust & Savings Bank Bldg., Galesburg, Ill., engr.

O., Cleveland Heights (Warrensville P. O.)—Apr. 3, by City, vitr. brick, sheet asphalt or asphaltic concrete paving Montevista Dr., Ardoon St., Euclid Heights Blvd., Antisdale, Glenwood, Ardmore, Elmwood, Erieview, Navahoe, Pomona, Rosemond, Sylvania, Allston, Superior, Clarence, Medford, Nobleshire, Randolph, Vineshire, Revere and Tuilliam Rds., etc. $300,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Portsmouth—Apr. 8, by C. W. Wilson, dir. Pub. Serv., grading, curbing, brick or bituminous paving 31,500 sq.yd. Harding Ave., Coles Blvd., 2 short alleys, High and Charles Sts. C. S. Stevenson, city engr.; adv. E. N.-R. Mar. 26.

Michigan—Apr. 8, by State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, grading and gravel surfacing 6.058 mi. Assessment Dist. Rd. 439, in Kent, Ottawa and Allegan Counties. G. C. Dillman, Lansing, ch. engr.

Ill., Geneva — Mar. 31, by City Clerk, grading, curbing and sheet asphalt, Warrenite bitulithic or rein.-con. surfacing 17,300 sq.yd. Anderson Blvd. $64,000. Wells Eng. Co., Geneva, engrs.

Wisconsin—Mar. 31, by State Hy. Comn., Madison, **(F. A. P. means Federal Aid Project), improving** Boscovel-Fennimore-Dubuque Rd., F. A. P. 376-A, Grant Co., 36,680 cu.yd. earth, 3,672 cu.yd. loose and 1,949 cu.yd. solid rock excav., 5,026 cu.yd. borrow, 23,015 ft. intercepting ditch, 17,068 cu.yd. crushed stone surfacing, 1,460 bbl. cement, etc., Option A entire project, Option B same as above without surfacing and Option C surfacing only; crushed stone surfacing 10,019 cu.yd. Shullsburg-Monroe Rd., F. A. P. 374-A, 3,200 cu.yd. Darlington-Mineral Point Rd., and 800 cu.yd. Gratiot-South Wayne Rd., all in Lafayette Co. J. T. Donaghey, highway engr. Noted Jan. 22.

Wis., Appleton—Apr. 1 (extended date), by E. L. Williams, city clk., sheet asphalt, vibrolithic, concrete or Warrenite bituminous paving 64,000 sq.yd. various streets. R. M. Connelly, City Hall, engr. Noted Mar. 5.

Wis., Eau Claire—Apr. 1, by O. E. Olen, city clk., improving 1st and Park Aves., Main, Platt, 3rd and 5th Sts., 10,777 cu.yd. excav., 30,879 sq.yd. concrete paving, 13,280 ft. concrete curbing. J. T. Hurd, City Hall, engr.

Wis., Hudson—Apr. 6, by Bd. Pub. Wks., G. H. Tappans, pres., vitr. brick, rein.-con., vibrolithic concrete or asphaltic concrete paving, 9,855 sq.yd. Vine and Locust Sts. $27,000. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr. Former bids rejected. Noted Mar. 12.

Wis., Kenosha—Mar. 30, by J. Herzog, highway comr., div. office Milwaukee, grading, widening and concrete surfacing 8,750 sq.yd. Somers Rd., and 5,000 sq.yd. Burlington Rd., here. J. T. Donaghey, Madison, state engr.

Wis., Menasha—Apr. 21, by J. F. DeCaro, city clk., curbing, guttering and rein.-con. paving approximately 10,556 sq.yd. Elm and Tayco Sts. A. E. McMahon, City Hall, engr. Former bids rejected. Noted Mar. 12.

Wis., Milwaukee—Mar. 30, by Dept. Pub. Wks., R. Stoelting, comr., grading and concrete paving 28,393 sq.yd. 15 alleys. To exceed $25,000. J. Schwada, City Hall, engr.

Wis., Milwaukee — Mar. 31, by R. E. Stoelting, comr. Dept. Pub. Wks., 5,667 cu. yd. grading, 7,246 ft. concrete curb and gutter, 15,043 sq.yd. 7 in. vibrolithic concrete, 793 sq.yd. concrete, vibrolithic or asphaltic concrete, 2,297 sq.yd. concrete or vibrolithic concrete, 2,972 sq.ft. cement sidewalks on Finn Pl., Arthur, Lisbon and 2nd Aves., 14th, 15th, 17th, 44th, 45th and 57th Sts. To exceed $25,000. J. Schwada, city engr.

Wis., Neenah—Mar. 31, by H. S. Zemlock, city clk., grading, concrete curbing, guttering and sheet asphalt, rein.-con. or vibrolithic concrete paving 3,863 sq.yd. 1st St., and 908 sq.yd. Lincoln St.: McMahon & Clark Co., Menasha, engrs.

Wis., Two Rivers—Apr. 3, by J. Doleysh, city clk., improving various streets, 6,000 ft. concrete curb and gutter, 8,000 cu.yd. excav., 15,000 sq.yd. one and two course concrete or vibrolithic concrete paving. To exceed $25,000.

Wis., West Allis—Mar. 30, by Bd. Pub. Wks., A. Wichner, supt., vibrolithic, concrete or sheet asphalt surfacing Burnham St. between east city limits and 54th Ave., approximately 8,500 sq.yd. new and 7,500 sq.yd. old pavement removed and replaced. W. Darby, City Hall, engr.

Ia., Marshalltown—Apr. 1, by City concrete curbing and 8 in. rein.-con. surfacing approximately 16,000 sq.yd. various streets. $50,000. A. McMahon, city clk.

Minn., Mankato—Apr. 2, by C. L. Kennedy, aud. Blue Earth Co., improving State Rd. 19, Job 2501, 24,993 cu.yd. excav. and 23,080 cu.yd. overhaul; State Rd. 20, Job 2502, 56,419 cu.yd. excav. and 95,499 cu. yd. overhaul. $32,000.

Minn., Preston—Apr. 2, by F. J. Ibach, aud. Fillmore Co., 40,000 cu.yd. excav., 2 beam span bridges, 165 cu.yd. concrete and 110 cu.yd. concrete culverts, Job 2503, State Rd. 3; gravel surfacing 12 mi. Job 2504, State Rd. 6 and 8, and 6 mi. Job 2505, State Rd. 5. $25,000. W. Dunbar, Preston, engr.

Neb., Stanton—Apr. 8, by W. E. Cook, city clk., City Hall, grading, curbing, guttering, brick, asphaltic concrete, sheet asphalt, Warrenite or concrete paving, etc., 16,480 yd. various streets in Dist. 1. W. D. J. Steckelberg, Madison, engr.

Mo., St. Louis — Apr. 14, by Bd. Pub. Serv., 208 City Hall, grading and concrete paving 16 alleys in City Blocks 1187, 1884, 1885, 2370. 2379, 2471, 2483, 2806, 4057, 4895, 5157, 5254, 5258, 5278, 5315, 5479, 5556 and 5574. $57,120. W. W. Horner, 300 City Hall, engr.

Tex., Coleman—Taking bids permanent paving entire business district, incl. Commercial Ave., Pecan and Live Oak Sts. $70,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Palestine—Anderson Co. taking bids concrete paving 9.75 mi. State Highway 9, Federal Aid Project 403-C, 18 ft. $370,000. E. W. Davis, Palestine, engr.

Okla., Norman—Apr. 14, by J. Hair, city clk., grading, curbing and concrete surfacing 13,350 sq.yd. Dist. 54. $46,320. F. Cobb, Norman, engr. Noted Jan. 29.

Nevada—Apr. 8, by State Hy. Dept., Carson City, improving 16.86 mi. road from point 4 mi. east of Silver Zone to Nevada-Utah State Line, Route 1, Sect. G, Elko Co., 66,000 cu.yd. excav., 5,305 sta.yd. overhaul, 14.42 mi. prepare subgrade for shoulders, 18,000 cu.yd. loading and screening, 36,000 cu.yd. hauling, 18,000 cu.yd. spreading gravel, etc. G. W. Borden, highway engr.

Arizona — Apr. 6, by W. C. Lefebvre, state engr., Phoenix, improving Prescott-Phoenix Highway, Federal Aid Project 72-R, 116,592 cu.yd. roadway, 46,468 cu.yd.

Streets and Roads (Continued)

roadway borrow and 2,200 cu.yd. structural excav., 104,000 sta.yd. surfacing, 1,890 cu. yd. cement rubble masonry, 2,600 lin.ft. cement pipe, 77,000 lbs. reinforcing, etc., for State Hy. Dept. Noted Jan. 15.

Washington—Apr. 7, by State Hy. Comn., Olympia, grading, crushed rock surfacing, etc., 2.5 mi. State Rd. 2, King Co.; concrete paving 4 mi. State Rd. 3, from Walla Walla to Mill Creek, 1.5 mi. State Rd. 3, from Walla Walla to College Pl., both Walla Walla Co., 1.63 mi. Pacific Highway, Skagit Co., and 7 mi. State Rd. 1, Whatcom Co. J. Allen, highway engr.

California—See "Unclassified."

California—Apr. 6, by State Hy. Comn., Sacramento, grading and decomposed granite, crushed stone or gravel surfacing 9.3 mi. highway between Imperial and Brawley, Imperial Co. R. M. Morton, highway engr.

Calif., Burbank—Apr. 7, by City Council, curbing, guttering, bituminous concrete paving, etc. 3,525 ft. Sparks St., Santa Empire Aves., etc., 30 ft. A. J. Rose, Burbank, engr.

Calif., Modesto — Apr. 2, by Supervs. Stanislaus Co., oil macadam or asphaltic macadam paving Gratton Rd.; oil macadam, asphaltic macadam or asphaltic concrete paving Oakdale Rd. J. H. Hoskins, Modesto, co. surv.

Calif., Salinas—City Council taking bids improving Church St., 202,414 sq.ft. grading, 667 tons base rock, 200,157 sq.ft. 2 in. Warrenite-bitulithic paving, 5,783 ft. concrete curbing, 6,542 sq.ft. concrete guttering, etc.; also Central Ave., 101,152 sq.ft. grading, 237 tons base rock, 101,152 sq.ft. 2 in. Warrenite-bitulithic paving, 3,737 ft. concrete curbing, 6,207 sq.ft. concrete guttering, etc. H. Cozzens, city engr. Noted Mar. 19.

Calif., Santa Rosa—Apr. 7, by Supervs. Sonoma Co., 54,000 sq.ft. 5 in. Willite or 6 in. concrete paving portion of Jimtown Rd. E. A. Peugh, Santa Rosa, co. surv.

Calif., Tulare—City Trustees taking bids improving portions of M, N, Kern Sts., etc., 241,800 sq.ft. 4 in. Willite asphaltic concrete and 25,650 sq.ft. 5 in. concrete paving, 24,274 sq.ft. 4 in. concrete sidewalks, 9,050 lin.ft. concrete curbing, 3,488 ft. 8 and 10 in. storm sewer, etc. To exceed $60,000. J. P. Williams, city engr. Noted Mar. 5.

Ontario — Mar. 30 (extended date), by Dept. Pub. Wks. & Highways, Toronto, concrete or asphaltic concrete paving 7.62 mi. road from Bowmanville to east side Lot 17, Contr. 11, Clarke Twp.; asphalt paving 4.8 mi. road from Trenton easterly $150,000; concrete, bituminous penetration or asphaltic concrete paving 3.92 mi. road from Prescott westerly $125,000; macadamizing 3.53 mi. road from Bloomfield northerly $40,000, 4.48 mi. road from Moulinette westerly $50,000; asphaltic concrete or bituminous penetration 4.08 mi. road from Prescott to point north of Johnstown, $50,000. C. H. Nelson, Ottawa, ch. engr. Noted Mar. 12.

Ont., Toronto—Mar. 31, by Bd. Control, City Hall, asphalt paving 4,000 sq.yd. asphalt surfacing 3,000 sq.yd., Warrenite bitulithic paving 3,500 sq.yd., brick block paving 2,100 sq.yd., and concrete paving 1,500 sq.yd. various streets, etc. $150,000. R. C. Harris, city engr.

Ont., Welland — Mar. 31, by R. Cooper, engr., County Bldg., 4 mi. waterbound macadam on Canboro Rd., for Welland Co. Good Rds. System. $45,000.

BIDS RECEIVED

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Mar. 19, from Regan Towers Co., 124 West 121st St., granite block paving Kingsbridge Rd. from Fordham Rd. to East 194th St. $53,365, asphalt block repaving Grant Ave. $45,348; from Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving Southern Blvd. $63,085; from Leonard Paving Co., Woolworth Bldg., granite block paving Kingsbridge Rd. from Jerome to Sedgwick Aves., $112,473, from St. George Granite Co., 90 West St., East 138th St. $90,824; from C. D. Beckwith, 2875 Bway. sheet asphalt paving Clifford Pl. $9,898, Eastburn Ave. $17,746, from Gaffney Constr. Co., 50 East 42nd St., Nelson Ave. $33,750, from Interboro Asphalt Paving Co., 2306 Creston Ave., Shakespeare Ave. $40,349. Noted Mar. 12.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Mar. 19, grading and concrete paving Hylan Blvd., from J. Kelly, 1150 Forest Ave., West New Brighton, $210,399. Noted Mar. 12.

New Jersey—State Hy. Dept., Trenton, concrete paving 43,329 sq.yd. Route 5, Sect. 15, Essex and Union Counties, from Sutton & Corson, Ocean City, $303,972; and 13,300 sq.yd. Route 11, Sect. 8, Kingsland Rd., Nutley, Essex Co., from Bianchi & Smith, Lyndhurst, $87,664. Noted Feb. 26.

Delaware—State Hy. Dept., Dover, 4,000 ft. sidewalk at Claymont, Contr. 52, from D. Fontana, 421 Orange St., Wilmington, $6,522; grading and concrete paving 4.92 mi. Dover-Little Creek, Contr. CK-24, from W. Eisenberg, Smith-Austermuhl Bldg., Camden, N. J., $156,971. Noted Mar. 5.

Md., Baltimore—Bd. Awards, Mar. 18, concrete paving 12,890 sq.yd. Contr. 271-OANA, from J. J. Bresnan, Old Pimlico Rd., $33,787; sheet asphalt paving 9,510 sq. yd. Contr. 272-OCOA, from Baltimore Asphalt Block & Tile Co., 1329 North Monroe St., $41,228, and 19,375 sq.yd. Contr. 273-OCOANA, from Amer. Paving Co., Montebello Ave., $86,964.

Md., Towson — Comrs. Baltimore Co., Courthouse, concrete or sheet asphalt paving 1.3 mi. Monkton Manor Rd., from P. Reddington & Son, 2 East Lexington St., Baltimore, $38,425.

O., Cleveland—Cuyahoga Co., waterbound macadam paving Ford and Bishop Rds. 1 and 2, from Ohio Contg. Co., Hunkin-Conkey Bldg., $52,710 and $85,921 respectively. Noted Mar. 5.

O., Cleveland—City, paving with **(a)** asphalt or **(b)** brick, **(1)** East 146th St. **(2)** East 147th St. **(3)** East 155th St. **(4)** West 49th St. **(5)** East 156th St. (1 to 5 inclusive) involves 17,430 sq.yd. vitr. brick, 12,200 lin.ft. stone curbing, 13,200 lin.ft. 4 in. drain tile gutter, and 10,330 cu.yd. earth excav. **(6)** Kelso Ave. **(7)** Linndale Ave. **(8)** Trafalger Ave. **(9)** Fidelity Ave. **(10)** Easton Ave. (6 to 10 inclusive) involves 27,880 sq.yd. vitr. brick or asphaltic concrete, 17,720 lin.ft. stone curbing, 19,100 lin.ft. 4 in. drain tile gutter, 16,500 cu.yd. earth excav. **(11)** West 132nd St. **(12)** Austin Ave. **(13)** West 115th St. **(14)** Wheelock Rd. **(15)** East 18th St. (11 to 15 inclusive) involves 14,080 sq.yd. vitr. brick or asphaltic concrete, 8,080 lin.ft. stone curbing, 9,060 lin.ft. 4 in. drain tile gutter, and 10,770 cu.yd. earth excav., from Freshwater Constr. Co., Davis & Farley Bldg., **(b1)** $30,642 **(14)** $5,321 **(a15)** $13,507; from Gould & Maybach, 16311 Saranec Rd. **(a2)** $16,653 **(b2)** $21,114 **(b3)** $6,672 **(a5)** $9,314 **(b5)** $11,737 **(a6)** $16,088 **(b6)** $20,053 **(a8)** $25,449 **(b8)** $31,969 **(b12)** $2,808; from W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R. **(a4)** $16,308; from Roehl Bros., 7112 Denison Ave., **(a7)** $46,991 **(b7)** $56,769; from Cleveland Trinidad Paving Co., The Arcade, **(a9)** $22,619 **(b11)** $15,523 **(b13)** $40,058; from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, **(b9)** $28,698; from H. G. Herring, Pavers Exchange, **(a10)** $10,820; from Baldwin Bros., 4500 Euclid Ave., **(a11)** $12,793 **(a13)** $38,329.

Wis., Manitowoc — A. H. Zander, city clk., Mar. 13, paving 12,798 sq.yd. New York Ave., 3,561 sq.yd. South 14th St. and 25,625 sq.yd. Marshall St., from Zendala Constr. Co., 1020 South 25th St., concrete $105,551; and from Cherney Constr. Co., Francis Creek, vibrolithic concrete $110,042. Noted Mar. 5.

Mo., Farmington — Improving various streets 6,340 sq.yd. vibrolithic concrete paving, 1,870 cu.yd. grading, 680 ft. combined curb and gutter, 972 ft. gutter, 985 ft. 12, 15, 21 and 24 in. vitr. clay sewers, 3 curb inlets and 4 catch basins, from Central Paving & Constr. Co., 6161 Maple Ave., St. Louis, $22,274. Noted Jan. 1.

Tex., Eagle Pass—Maverick Co., clearing, grubbing and grading 24.5 mi. State Highway 85, 18 ft., from H. Kyle, Hutto, $38,974; drainage structures on above, from B. Moore Constr. Co., Waco., $42,536.

California — State Hy. Comn., Sacramento, Mar. 9, concrete improving 6.4 mi. road between Merced River and Buhac (Atwater P. O.), Merced Co., 5.3 mi. concrete paving and widening 1.1 mi. with concrete shoulders, from H. B. Peterson, Spreckles Bldg., San Diego, $139,357. Noted Feb. 19.

Calif., Pasadena—Curbing, guttering, oil macadam paving, etc., Lake St., from C. F. Mathews, 221 Braley Bldg., $25,105.

CONTRACTS AWARDED

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., to Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving Jerome Ave. $23,926, sheet asphalt paving College Ave. $15,443; to Gaffney Constr. Co., 50 East 42nd St., sheet asphalt paving Mosholu Parkway, $87,983, to Asphalt Constr. Co., 208 Bway., Townsend Ave. $79,756; to Leonard Paving Co., Woolworth Bldg., granite block paving Jerome Ave. $110,386, to J. Meehan & Son, 74 Cortlandt St., Boston Rd. $184,244. Noted Mar. 19.

N. Y., New York—J. Miller, pres. Manhattan Boro., granite block repaving 1st Ave. to J. Meehan & Son, 74 Cortlandt St., $158,385, 3rd Ave. to C. Helbock Co., 633 Wales Ave., $228,939, sheet asphalt repaving 32nd St. to Uvalde Asphalt Paving Co., 1 Bway., $24,759, 41st and 23rd Sts., to W. J. Fitzgerald, 547 West 45th St. $24,607 and $29,828 respectively, 7th Ave. to Brusstar Constr. Co., Harlem River and 150th St. $73,033. Noted Mar 19.

N. J., Irvington (branch of Newark)—To Northern Constr. Co., 423 Amherst St., East Orange, paving 49,505 sq.yd. Stratford Pl. $10,869, Sheridan St. $11,446, University Pl. $22,495, Temple Pl. $5,385, Grove Terrace $12,390, Coolidge St. from Stuyvesant Ave. to Harding Terrace $21,005, Coolidge St. from Beechwood Pl. to Fleetwood Pl. $4,800, Ellery Ave. $7,601, Cordier St. $17,924, Fleetwood Pl. $5,173, Beechwood Pl. $5,748, 37th St. $9,616, Wilson Ave. $5,612, Durant Pl. $15,871, Fairchild Pl. $2,894, Naden Ave. $15,430, Laventhal Ave. $16,860, Sager Pl. $4,822, Wolf Pl. $8,543; work involves 49,500 sq.yd. 6 in. rein.-con.; to J. Dorer, Irvington, Rodwell Ave. $8,733, Quabeck Ave. $11,119, 5,100 sq.yd. 6 in. rein.-con.

Pennsylvania—State Hy. Dept., Harrisburg, to Road Constr. Co., Butler, rein.-con. surfacing Application 1041, Indiana Co., 21,749 sq.yd. concrete $3.25 per sq.yd., etc. total $102,542; to Haydock & Martin, Franklin Trust Bldg., Phila., 9,500 sq.yd. rein.-con. $3.10, 1,373 cu.yd. earth excav. $1.55, and 1,819 cu.yd. earth excav. $1.75, total $51,622. Noted Feb. 19.

Maryland—Dept. Pub. Wks., Baltimore, to E. P. Pendleton, 16 South Calverton Rd., Baltimore, oiling 35.54 mi. roads in Cecil, Kent, Queen Annes, Caroline and Talbot Counties $9,469, 53.6 mi. in Howard, Prince George and Montgomery Counties $14,598, and 72.33 mi. roads in Anne Arundel, Baltimore and Harford Counties $21,133; to Barrett Co., 36th St. and Grays Ferry, Phila., Pa., 70.75 mi. roads in Anne Arundel, Calvert, Charles and St. Marys Counties $57,817, 21.51 mi. roads in Calvert Co. $24,946, and 85.04 mi. roads in Garrett, Allegany, Washington and Frederick Counties $25,551; to Earle & Lansdale Co., 173 Main St., Hackensack, N. J., 91.5 mi. roads in Carroll, Frederick, Howard and Montgomery Counties, $25,311. Noted Mar. 5.

Md., Baltimore — Bituminous flushing various roads and streets, 150,000 sq.yd. ¼ gal. with cover, 15,000 sq.yd. ¼ gal. without cover and 350,000 sq.yd. ¼ gal. with cover, to J. Gibbons, Warwick Ave. and Mulberry St., $45,750.

Md., Baltimore—Bd. Awards, 11,940 sq. yd. sheet asphalt surfacing Contr. 269-OANA, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $55,095; concrete paving 5,910 sq.yd. Contr. 270-OCOANA, to G. Long Constr. Co., 1st Ave. and 1st St., $14,432. Noted Mar. 19.

Md., Towson — Comrs. Baltimore Co., Court House 211,000 gal. tar or oil on various streets, to Barrett Co., 36th St. and Grays Ferry, Phila., Pa. $27,862.

W. Va., Huntington—Sheet asphalt on 6 in. concrete surfacing Washington Blvd., to Hatfield Constr. Co., 418½ 10th St., $125,000; brick on concrete surfacing Olive and 3 other streets, to L. O. Gillespie, Huntington, $25,000; concrete surfacing Arlington Rd to G. Pence, 1454 4th Ave., $85,000. Noted Mar. 12.

W. Va., Wayne — Wayne Co., paving streets from East Lynn to Grant Dist. line, Stonewall Dist., to C. E. Price, Huntington, $48,539; Wilsons Creek-Prices Creek Rd., Union Dist., to Hatfield Constr. Co., 418½ 10th St. ,Huntington, $38,651.

N. C., Kernersville — Grading, curbing, guttering and 2⅛ in. asphaltic on 5 in. surfacing various streets to Hedrick Constr. Co., Salisbury, $65,000. Noted Feb. 5.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 12.808 mi. Selma-Plantsville Rd., 18 and 24 ft. State Aid Project 23, Dallas Co., to W. C. McCoy, Lafayette, $82,478, and 25.09 mi. Stockton-Little River Rd., 18 ft., Federal Aid Project 140, Baldwin Co., to Bennett Bros., Dotham, $65,015; grading and one course concrete surfacing 1.925 mi. road from Federal Aid Project 21 to Demopolis, 18 and 26 ft., State Aid Project 65, Marengo Co., to S. R. Jones, Rand Bldg., Memphis, Tenn., $52,963. Noted Mar. 12.

La., Natchitoches—Police Jury Natchitoches Parish, graveling 7 mi. Robeline-Allen Highway, to Hankin Bros., c/o owner, $27,633.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, will construct 3 mi. Monteagle-Coffee Co. line Rd., Grundy Co., by day labor. J. G. Creveling, Jr., comr.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and Kentucky

Streets and Roads (Continued)

rock asphalt paving 0.98 mi. Sect. A, Nevada-Northern Rd., Wyandot Co., to L. D. Kear, Wharton, $23,092. Noted Mar. 5.

O., Cleveland—Improving Stevenson Rd. and East 157th St., 8,360 sq.yd. vitr. brick paving, 5,805 lin.ft. stone curbing, 6,190 lin.ft. 4 in. drain tile gutter, 4,630 cu.yd. earth excav., to Gould & Maybach, 16311 Saranec Rd., $48,369; Bartlett and Farrington Ave., also East 138th and 139th Sts., 6,720 sq.yd. vitr. brick and 13,320 sq. yd. asphaltic concrete paving, 15,440 lin.ft. stone curbing, 16,520 lin.ft. 4 in. drain tile gutter, 11,602 cu.yd. earth excav., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $116,029; East 103rd St., Alabama Court, Mt. View and Signet Aves., 7,350 sq. yd. vitr. brick, 4,815 lin.ft. stone curbing, 5,110 lin.ft. 4 in. drain tile gutter, and 4,870 cu.yd. earth excav., to Bentley Bros., 3030 Euclid Ave., $43,433; West 134th and 137th Sts., 15,000 sq.yd. vitr. brick, 10,100 lin.ft. stone curbing, 10,600 lin.ft. 4 in. drain tile gutter, and 8,000 cu.yd. earth excav., to Roehl Bros., 7112 Denison Ave., $80,063; grading, curbing, guttering and vitr. brick paving 3,010 sq.yd. Henninger Rd., to Freshwater Constr. Co., Davis & Farley Bldg., $19,602; asphaltic concrete paving, etc., 9,100 sq.yd. West 111th St., to Cleveland Trinidad Paving Co., The Arcade, $40,774. Noted Jan. 29, Mar. 5 and 12.

O., Cleveland — City, improving East 110th St., Parkhill and Way Aves., 15,580 sq.yd. vitr. brick and 8,475 sq.yd. asphaltic concrete paving, 150,000 lin.ft. stone curbing, 16,640 lin.ft. 4 in. drain tile gutter, 11,430 cu.yd. earth excav., to Baldwin Bros., 4500 Euclid Ave., $119,105; Paxton Rd., Avalon, Darley and Wagner Aves., 7,575 sq.yd. vitr. brick, 1,020 sq.yd. asphaltic concrete, 5,735 lin.ft. stone curbing, 6,156 lin.ft. 4 in. drain tile gutter, and 5,690 cu. yd. earth excav., to Gould & Maybach, 16313 Saranec Rd., $48,225; Bliss Court, Castalia, Jennie, Maple and Olivet Aves., East 102nd, East 142nd and West 24th Sts., 22,100 sq.yd. ashaltic concrete, 15,000 lin.ft. stone curbing, 16,770 lin.ft. 4 in. drain tile gutter, and 14,940 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $113,226; Agnes, Fidelity, Fortune and St. Park Aves., West 68th, 110th, 135th and 136th Sts., 39,870 sq.yd. vitr. brick, 25,900 lin.ft. stone curbing, 30,263 lin.ft. 4 in. drain tile gutter, and 25,220 cu.yd. earth excav., to Roehl Bros., 7112 Denison Ave., $203,888. Noted Jan. 29 and Feb. 12.

O., New Philadelphia—Bd. Control, sheet asphalt paving Bway. and High Sts., incl. Pub. Sq., to Leroy Springer Co., New Philadelphia, $70,648. Engrs. est. $75,000. Noted Mar. 19.

O., South Euclid — Improving Sheridan Rd., 7,750 sq.yd. 2 in. asphaltic concrete, 6,600 lin.ft. each sandstone curbing and 4 in. drain, tile gutter, etc., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $38,803. Engrs. est. $55,000.

Michigan — State Hy. Dept. at office Comrs. Wayne Co., Detroit, grading and surfacing 6.591 mi. Trunk Line Rd. 17-21, to J. Porath, Penobscot Bldg., Detroit, $187,910.

Mich., Lansing — City will remove old pavement and resurface with bituminous concrete 0.75 mi. Michigan Ave., 36 ft. outside tracks, by day labor. $152,156. O. Eckert, city engr.

Ill., McHenry — Dist. 2, 5,148 ft. combined curb and gutter, 4,573 cu.yd. excav., 9,784 sq.yd. vibrolithic concrete, etc., and Paving Dists. 3, 5,517 ft. curb and gutter, 5,558 cu.yd. excav., 11,227 sq.yd. vibrolithic concrete, etc., to McGucken & Van Der Heyden, 314 Fowler St., Milwaukee, Wis., $33,116 and $39,611 respectively. Noted Mar. 5.

Neb., Hebron — Improving 20 blocks various streets in Dist. 1, 13,460 lin.ft. curb, 2,000 lin.ft. sidewalks, 14,000 cu.yd. excav., 35,400 sq.yd. vitr. brick on 5 in. concrete, etc., to Robert Constr. Co., 1st Natl. Bank Bldg., Lincoln, $121,126. Engrs. est. $150,000.

Neb., Winside — City Clerk, improving Dist. 1, 3,650 lin.ft. curbing, 6,000 cu.yd. excav., 12,340 sq.yd. Johnson type concrete paving, etc., to Booth & Olson, 120 Virginia St., Sioux City, Ia., $32,000. Engrs. est. $40,000.

Kan., Wichita—E. S. Worrell, city clk., to H. T. Ritchie, 124 North Fountain Ave., asphaltic concrete surfacing 994 sq.yd. Bluff Ave., 975 sq.yd. Briggs St., 1,938 sq.yd. Harrison St., 6,383 sq.yd. Washington St., concrete surfacing 7,977 sq.yd. Green St. and 8,477 sq.yd. Kellogg St., sheet asphalt surfacing 3,825 sq.yd. Holyoke St. and 817 sq.yd. Indianapolis St., to Globe Constr. Co., 1069 North Water St., brick block surfacing 2,015 sq.yd. alley, concrete surfacing 2,201 sq.yd. Fannie St., 8,008 sq.yd. Gilbert St., 2,401 sq.yd. Irving St., 6,544 sq.yd. Ida St., 2,120 sq.yd. Jackson St., 1,957 sq.yd. Lewis St., 5226 sq.yd. McCormick St., 3,572 sq.yd. Mathewson St., 1,817 sq.yd. Pine St., 2,265 sq.yd. Sycamore St., 171 ft. 12th St., 1,090 sq.yd. Wabash St., and brick block surfacing 1,730 sq.yd. Water St. Noted Feb. 19.

Mo., Carrollton—Improving West Heidel, West Shanklin, East Lincoln and South Jefferson Sts., 1,200 cu.yd. excav. and grading, 7,500 ft. curbing, and 11,000 sq.yd. concrete paving, to C. F. Brindle, Kansas City, $31,300. Noted Mar. 12.

Mo., Clayton — St. Louis Co., to Stolle Constr. Co., 5243 Delmar Blvd., St. Louis, grading, curbing and 8 in. rein.-con. paving Meramec St. $10,628, Carondelet St. $7,216, Forsythe St. $5,642; to Carlon Constr. Co., Maplewood, Central St. $5,989. Noted Feb. 26.

Mo., Kahoka—Concrete paving 8,600 sq. yd. Main, Morgan, Commercial, Washington Sts., etc., to Western Constr. Co., Moline, Ill., $27,231. Noted Mar. 5.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, (**C. B. means City Block**) to A. Lewalk, 1219 Amherst Pl., concrete alleys in C. B. 454 $2,713, C. B. 1,430 $2,421, C. B. 1,641 $2,421, C. B. 1,641 $3,030, C. B. 2,809 $2,862, C. B. 2,775 $4,603, C. B. 2,858 $1,696, C. B. 3,550 $3,167, C. B. 3,358 $2,524, C. B. 3,815 $2,319, C. B. 4,391-A $4,943, C. B. 4,409-A $2,379, C. B. 4,410-A $4,135, C. B. 5,087 $4,019, C. B. 5,123 $3,398, C. B. 5,126 $3,405, C. B. 5,442 $3,208, C. B. 5,468 $4,531, C. B. 5,510 $1,801, C. B. 5,557 $4,382, C. B. 5,593 $2,098, C. B. 5,621 $4,691, C. B. 5,633 $6,334, C. B. 5,664 $4,292, C. B. 5,678 $2,463, C. B. 5,828 $2,463, C. B. 5,828 $4,154, and C. B. 5838 $5,069; to Eyermann Constr. Co., 1216 South Grand Blvd., C. B. 2,278-E $2,568, and C. B. 476 $622. Noted Feb. 19.

Ark., Russellville — Grading curbing, guttering, and 6 in. concrete surfacing etc., 50,000 sq.yd. Paving Dist. 4, to Philpot Constr. Co., Pine Bluff, $148,327. Noted Mar. 5.

Tex., Austin—Travis Co., grading 6 mi. Austin-Cameron Rd., 123,200 cu.yd. roadway and borrow excav., 10,000 sta.yd. overhaul, to Hutto Constr. Co., Hutto, $21,459. Engrs. est. $27,000. Noted Mar. 5.

Tex., Hebbronville—Jim Hogg Co., 10 in. caliche surfacing 20 ft. wide 10.2 mi. link in Laredo-Corpus Christi Highway, road bed to be 22 ft. wide, to W. W. Vann, Falfurrias, $48,932. Topping using Uvalde rock will be done by State Highway Dept., Austin.

Colorado — State Hy. Dept., Denver, gravel surfacing 2.973 mi. Federal Aid Project 243 B, Archuleta Co., to Engler & Tessyier, Durango, $44,025; and gravel surfacing 3.143 mi. Federal Aid Project 265-A, La Plata Co., to Blackwell & Butler, Box 575, Grand Junction, $31,286.

Nev., Reno—City Council, 700,000 sq.ft. 1.5 in. on 3.5 in. asphaltic concrete paving various streets, to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, Calif., $118,350. Noted Feb. 26.

Wash., Wenatchee—Chelan Co., grading, surfacing, etc., 3.4 mi. Wenatchee-Chelan Highway, to H. Gee & Co., 2206 54th St. N. W., Seattle, $26,355.

Oregon — State Hy. Comn., Salem, to Greenwood & Dann, 500 North Front St., Portland, grading 10.3 mi. Roosevelt Highway, Clatsop Co., 66,700 cu.yd. earth excav. $0.47, 17,500 cu.yd. loose rock excav. $0.90, 9,000 cu.yd. solid rock excav. $1.10, 21,800 cu.yd. sedimentary rock excav., $0.75, etc., total $140,490; to Simonson & Hefty, Portland, resurfacing 16.27 mi. Roosevelt Highway, Banden Sixe Sect., 16 and 18 ft. road bed, $74,212.

Calif., Pomona—Curbing and paving 7 blocks 5th Ave. between Garey Ave. and west city limits, to Fleming Constr. Co., 105 North Park Ave., $69,900, engrs. est. $75,200; and Garey Ave. between Grand and Franklin Sts., to H. Cornwell, 120 South Glendale Ave., Glendale. $37,500, engrs. est. $38,920. Noted Nov. 13.

Calif., Southgate—To G. H. Oswald, 366 East 58th St., Los Angeles, improving Long Beach Blvd., 9,980 ft. curbing at $0.40 per ft., 13,470 sq.ft. 5 in. guttering $0.19, 8,140 sq.ft. 3 in. guttering $0.27, 5,575 sq.ft. sidewalks $0.14, 312,280 sq.ft. grading $0.04, 312,280 sq.ft. 2 in. Willite on 4 in. bituminous paving $0.216, etc., total approximately $127,975.

Ont., Toronto — Toronto & York Good Rds. Comn., 57 Adelaide St., will repair roads, mostly macadam, by day labor. $25,000 bonds voted. E. A. James, 57 Adelaide St., engr.

B. C., Point Grey—For 7.16 mi. concrete sidewalks, 1 mi. curbing and ½ mi. guttering various streets, to G. W. Ledingham, Oak and Goodmurphy Sts., Vancouver, $40,814.

Buildings—Industrial

PROPOSED WORK

Pa., Chester — Dyehouse — Aberfoyle Mfg. Co., 4th and Morton Sts., having plans prepared by E. G. Perot, 1211 Arch St., Phila., 3 story and basement, 80 x 200 ft., rein.-con., plain foundation.

N. C., Durham—Plant—E. H. Bowling, et al, plan plant. $100,000.

Fla., Bradentown — Plant — City takes bids about May 24, 800,000 ft. gas plant. J. B. McCrary Eng. Corp., city & South Bank Bldg., Atlanta, Ga., engrs. Noted July 3.

Fla., Jacksonville — Bakery — Dorsey Baking Co., 2341 Main St., plans bakery addition, Warren and Main Sts. $250,000. B. C. Dorsey, pres.

La., New Orleans — Plant — Milam Morgan Co., Paris Ave. and Gentilly Rd., plans 1 story ice plant, brick and rein.-con. 70 tons daily capacity, Gentilly Rd. and Peters Ave. $100,000.

La., New Orleans — Plant — Vivien Ice Co., L. T. Vivien, pres., Stand 87, French Market, plans ice plant, 15 tons daily capacity, Gentilly Rd.

Tenn., Dickson—Plant—Peoples Ice & Cold Storage Co. plans ice and cold storage plant. $40,000.

Tenn., Jacksonville — Plant — Du Pont Fiber Silk Co., Jacksonville, Tenn., and Wilmington, Del., H. J. White, genl. supt., Jacksonville, plans 2 additional units to plant now under construction. $2,700,000.

O., Cincinnati — Plant — Cincinnati Enquirer, A. Wiley, bus. mgr., having preliminary plans prepared by Lockwood, Greene & Co., 24 Federal St., Boston, Mass., 3 story newspaper plant, brick, steel and concrete, Vine St. $150,000.

O., Cleveland — Sub-Station — Cleveland Electric Illuminating Co., J. Wolf, engr., Illuminating Bldg., had plans prepared 1 story, 50 x 50 ft., brick, steel and concrete addition, East 105th St. and Euclid Ave. $40,000. Private plans.

O., Zanesville—Factory—Standard Tile Co., soon take bids 1 story addition, Nowal Pk. $50,000. J. M. Morton, pres.

O., Zanesville—Power Station—Columbus, Newark & Zanesville Electric Ry. Co., plans 40 x 60 ft. power station, Linden Ave. $50,000. C. E. Moran, genl. supt.

Wis., Milwaukee—Factory—G. Zagel & Bro., archts., 144 Oneida St., 2 story and basement, 62 x 115 ft., brick and timber, 30th St., to H. C. Breest, 2408 Keefe Ave., for Builders Needs, Inc., 1243 30th St. Archts. est. $50,000. Noted Mar. 5.

Ark., Fayetteville—Light Plant—Election soon $200,000 bonds to purchase or construct electric light plant.

Tex., New Braunfels — Plant — San Antonio Public Service Co., 201 North St. Marys St., San Antonio, plans new power plant on 30 acre site, on Guadalupe, near here, $5,000,000.

Okla., Oklahoma City — Machine Shop, etc.—Boardman Co., West Maple St. had preliminary plans prepared 60 x 88 ft. addition, etc. $60,000. H. S. Whitlock, Oklahoma City, engr.

Calif., Kingsburg — Plant — Plans gas plant to serve 2,000 population. C. R. Magnuson, city clk.

Calif., Los Angeles — Creamery — Calla Lily Creamery Co., 1245 East Windsor Rd., Glendale, plans creamery, San Fernando Rd. $150,000-$200,000.

Calif., Oakland — Factory — Rip Van Winkle Wall Bed Co., 792 22nd St., plans factory addition, 22nd and West Sts. To exceed $40,000.

Calif., Sacramento — Sugar Refinery — Northwestern Sugar Refining Co., Bank of Italy Bldg., Oakland, plans sugar refinery, Kiesel Station, here. $1,500,000. W. H. Ellison, Pacific Bldg., San Francisco, engr.

Calif., San Mateo — Storage Plant — Standard Oil Co., Standard Oil Bldg., San Francisco, plans storage plant and oil distribution system. $100,000.

Calif., Woodland—Plant—Merced Concrete Pipe Co., Merced, plans concrete pipe manufacturing plant. $40,000.

Que., Chelsea—Mill—International Paper Co., 100 East 42nd St., New York City, plans new pulp mill, on Gatineau River, here. $12,000,000.

Ont., Hamilton—Sub-Station—Hamilton Hydro Comn., City Hall, having plans prepared sub-station, Hughson St. N. $200,000. E. I. Sifton, c/o owner, engr.

Ont., Kirkland Lake—Mill—Lake Shore Gold mine, plans to expend $200,000, extending mill, etc.

Buildings—Industrial (Continued)

Ont., Timmins — Plant — Hollinger Consolidated Gold Mines, plans enlarging plant from 4,000 to 8,000 tons daily capacity, incl. new tube and ball mills, filters, hoisting apparatus, electric motors, conveyors, pumps, elevators, etc. $3,000,000.

BIDS DESIRED

Mass., Malden — Factory — Cunningham Spice Co., Plymouth Rd., taking bids 3 story, 54 x 75 ft., steel and concrete, Linden St. $60,000. C. H. Tenney & Co., 200 Devonshire St., Boston, archts. Noted Jan. 15.

Mass., Westwood — Repair and Service Garage—J. A. Fenton, 72 Highland St., Norwood, taking bids 1 story, 75 x 100 ft., rein.-con. and brick, Islington and Washington Sts., $40,000. M. H. Howard, Bway., Norwood, archts.

O., Cleveland — Factory — Columbian Hardware Co., H. F. Seymour, pres., 5113 Hamilton Ave., taking bids 2 story and basement, 90 x 120 ft., brick and steel factory, $40,000. Private plans. Noted Sept. 4.

BIDS RECEIVED

Md., Baltimore — Shop — Bd. Awards, 1 story, brick repair shop, Key Highway and Webster St., from DeCou & Davis, 6 East Mulberry St., $85,989.

Okla., Ponca City—Oil Laboratory, etc.—Maryland Refining Co. general contract 2 story and basement, 60 x 114 ft., rein.-con. and brick laboratory and office building, from H. W. Underhill Constr. Co., 235 North Waco St., Wichita, Kan., $86,980.

CONTRACTS AWARDED

Me., Winthrop — Plant — Winthrop Mills Co., 4 story and basement, 64 x 202 ft., brick and timber addition, to O. D. Purington & Co., 605 Industrial Trust Bldg., Providence, R. I. Archts. est. $40,000 plus. Noted Mar. 12.

Mass., North Adams — Plant — North Adams Gas & Electric Co. rebuilding gas plant, brick and steel, to J. R. Hampson & Co., 184 North St., Pittsfield. Noted Mar. 12.

Pa., Clarks Summit—Factory—Scranton Lace Co., Glen St. and Meylert Ave., Scranton, 2 story, 60 x 100 ft., rein.-con. and steel, here, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Archts. est. to exceed $40,000.

Pa., McKee Rocks — Round House — Pittsburgh & Lake Erie R.R., Pittsburgh and Lake Erie Terminal, Pittsburgh, general contract 1 story, brick and steel, round house, to Walker & Curley, Sharpsburg, 500 tons steel to McClintic Marshall Co., Oliver Bldg., Pittsburgh. Noted Mar. 5.

N. C., High Point—Mill—Hillcrest Silk Mill, silk mill, to T. C. Thompson Bros., 609 North Smith St., Charlotte, $100,000 up. Noted Mar. 22.

N. C., Shelby — Mill — Messrs. Switzer, Mull & Blanton Shelby, cotton mill, to Glon & Withers, Gastonia, $250,000.

O., Cleveland—Factory—Pipe Mchy. Co., 932 East 70th St., 1 story, 52 x 130 ft., brick and timber, 932 East 70th St., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $40,000.

O., Zanesville—Factory—New Corporation to take over interests of Hedge-Ludman, 4 story, 40 x 132 ft., steel, concrete and brick, South 4th St., to Barkhorst & Price, Zanesville, $75,000.

Mich., Detroit—Plant—A. Kahn, archt., 1000 Marquette Bldg., 3 story, 80 x 639 ft. assembly plant with 80 x 180 ft. wing, rein.-con. and brick, plain foundation, Connors Ave., to H. G. Christman Co., 315 Stevens Bldg., for Hudson Motor Co., 12601 East Jefferson Ave. Noted Feb. 26.

Mich., Detroit—Shop—Dodge Bros. Inc., 7900 Jos. Campau Ave., will build 1 and 2 story, 75 x 500 ft., concrete, brick and steel, plain foundation, Jos Campau Ave., by day labor. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts.

Wis., Frederic—Cannery—Fame Canning Co., 111 West Washington St., Chicago, Ill., will build 2 story, brick and timber, plain foundation, by day labor under supervision of Nyman Constr. Co., Cumberland. Archts. est. $100,000.

Wis., Milwaukee—Manufacturing—Seaman Body Corp., 1732 Richards St., 5 story, 100 x 400 ft., brick and timber, plain foundation, Richards St., to Worden-Allen Co., Port Washington Ave. Noted Feb. 19.

Wis., Milwaukee — Cold Storage and Warehouse—Amer. Wholesale Grocery Co., 235 Bway., 4 story and basement, 32 x 120 ft., brick and timbre, plain foundation, Bway., to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $60,000. Noted Mar. 5.

Kan., Kansas City—Plant—G. C. Newland, general contract 2 story and basement, 40 x 80 ft. ice plant, rein.-con. and brick, to Rand & Miller, 619 Elks Bldg. Archts. est. $100,000.

Mo., Elsberry — Factory — Chamber of Commerce, c/o G. Crank, secy., 2 story, 50 x 175 ft., brick and concrete factory, to E. E. and J. Brother, Elsberry. Archts. est. $40,000. W. H. Lampe Shoe Co., 4060 Forest Park Blvd., St. Louis, lessee.

Mo., Eminence—Mill—Shawnee Copper Co. will build mine mill and concentrating plant, by day labor. $100,000. Private plans.

Mo., St. Louis—Factory—Phelan-Faust Paint Mfg. Co., 1215 Pine St., 1 story and basement, 36 x 50 ft., rein.-con., Loughborough St., to Hercules Constr. Co., Wainwright Bldg. Noted Jan. 22.

Okla., Ponca City—Laboratory and Office—Marland Refining Co., 2 story and basement, 60 x 114 ft., rein.-con. and brick, to R. McCormick, Ponca City. Archts. est. $100,000.

Calif., Glendale—Plant—Titania Chemical Co., 1 story, 70 x 300 ft., steel and corrugated iron plant, to Moran & Co., Kerchkoff Bldg., Los Angeles, approximately $200,000 incl. equipment.

Calif., San Francisco—Factory—Schlage Lock Co., 485 California St., 1 story, 100 x 210 ft., brick and steel, Bay Shore and San Bruno Aves., to Austin Co. of California, 244 Kearny St., $45,000.

Calif., San Francisco—Factory—L. R. Lurie, 315 Montgomery St., 3 story and basement, 80 x 115 ft., rein.-con., 4th and Stillman Sts., to Industrial Constr. Co., 815 Bryant St., $55,600. Glaser Bros., 621 Montgomery St., lessee. Noted Mar. 19.

Calif., San Jose — Plant — Pioneer Fruit Co., Wells Fargo Bldg., San Francisco, 1 story, timber packing plant, Bassett and Terraine Sts., to R. J. Sharp, 165 Polhemus St., $40,000.

Calif., Woodland — Plant — Woodland Democrat, 2 story, 60 x 84 ft. newspaper publishing plant, brick and concrete, to E. L. Younger, Porter Bldg., $43,250. Noted Mar. 12.

Buildings—Commercial

PROPOSED WORK

Mass., Malden—Store—S. J. Spector, 24 York St., Dorchester, having plans prepared by M. M. Halma, c/o owner, 1 story and basement, 60 x 430 ft., brick., 290-334 Main St. $160,000.

R. I., Newport—Hotel—Newport Community Hotel Assn., plans brick and steel, Bellevue Ave. and Touro St. $500,000. Thomas, Martin & Kirkpatrick, Otis Bldg., Phila., Pa., archts.

N. Y., Brooklyn—Theatre—Levy Bros., c/o T. W. Lamb, archt. and engr., 644 8th Ave., having plans prepared brick, steel and stone, plain foundation, Bedford Ave. and Lincoln Pl. $750,000.

N. Y., Buffalo—Medical Arts—M. Katz, c/o L. Greenstein, archt., Prudential Bldg., having plans prepared 3 story, 100 x 135 ft. rein.-con., brick and stone, North St. $250,000.

N. Y., Buffalo—Office and Business—L. A. Findlay, 53 Minnesota Ave., plans 5 story, 51 x 237 ft., West Huron St. To exceed $200,000.

N. Y., New York—Apartment—Renerck Realty Corp., c/o S. V. Becker, archt., 1301 Boston Rd., having plans prepared 5 story, brick, steel and stone, plain foundation, Shakespeare Ave. $200,000.

N. J., Elizabeth—Clubhouse—B. P. O. E. having plans prepared by Frank Grad, 245 Springfield Ave., Newark, brick, steel and stone, plain foundation, Elizabeth Ave. $150,000.

N. J., Newark — Hospital — Beth Israel Hospital, 651 High St., having plans prepared by F. Grad, archt. and engr., 245 Springfield Ave., 10 story, brick, steel and stone, plain foundation, Lyons Ave.

Pa., Allentown — Store — Zollinger & Horned Co., 611 Hamilton St., having plans prepared by J. T. Brugger, 505 Chestnut St., 4 story and basement, 86 x 230 ft., brick and steel, plain foundation, 6th and Hamilton Sts. Carson & Carson, 22 South 15th St., engrs.

Pa., Homestead — Store and Office — Wellman & Thomas Monumental Wks. making plans 5 story and basement 60 x 120 ft., granite and brick, 8th Ave. and West St. $150,000. Private plans.

Pa., Johnstown — Lodge — Johnstown Council 467, Knights of Columbus, plans 4 story and basement, 67 x 127 ft., concrete and brick, incl. gymnasium, bowling alleys, etc., Vine St., $150,000. Engineer and architect not selected.

Pa., Pittsburgh — Bank and Office — Colonial Trust Co., Diamond St., having plans prepared by F. J. Oesterling, 122 Isabella St., 2 story and basement, 45 x 130 ft., Wood St. $150,000.

Pa., Pittsburgh—Office—Owner c/o Freehold Real Estate Co., 311 4th Ave., having plans prepared by Hunting Davis Co., Century Bldg., 10 story and basement, 47 x 160 ft., brick and steel, Penn Ave. $600,000.

Pa., Somerset — Home — Somerset Co. Poor Bd., Court House, having preliminary plans prepared by E. H. Walker, 20 East Church St., brick addition. $150,000.

Fla., Orlando—Hotel—J. L. Giles & Son plan 6 story hotel, West Washington St. $400,000.

Fla., Plant City—Hotel—J. C. Jenkins and associates, plan 100 room hotel. $200,000.

Fla., St. Petersburg—Office—West Coast Holding Co., W. H. Gilbert, pres., having plans prepared by F. J. Kennard, 111 South Edison Ave., Tampa, 10 story, office building, 4th St. and Central Ave. $350,000.

La., New Orleans — Office—Engineering Dept., Bd. Port Comrs. 1 Canal St., preparing plans 2 story, rein.-con. and steel, foot of Canal St. $150,000.

La., New Orleans — Office — Favrot & Livaudais, archts., Hibernia Bank Bldg., preparing plans 7 story, office building, Canal and South Claiborne Sts., for Syndicate, J. D. Butler, Jr., pres., Canal & Commercial Savings Bank & Trust Co.

Tenn., Nashville—Hospitals—State Legislature plans 3 tuberculosis hospitals. $750,000. A. Peay, governor.

Ohio—Stores—McCrory Stores Co., R. C. Cunningham, 13 Central Sq., Youngstown, had plans prepared J. I. Kuhn, 13 Central Sq., new 3 story, 50 x 120 ft., brick and steel store in Alliance, and remodeling 3 story store building in Canton. $175,000. J. I. Kuhn, 13 Central Sq., Youngstown, dist. engr.

O., Canton—Mercantile—Thurin Carpet & Rug. Co., 205 2nd St. N. E., plans 2 story and basement, 33 x 200 ft. mercantile building, Market Ave. N. $150,000.

O., Cincinnati—Commerce—Chamber of Commerce, 126 East 4th St., having plans prepared by H. Hake, Telephone Bldg., 10 story and basement, 66 x 170 ft., rein.-con. and brick, 4th and Sycamore Sts. $1,000,000.

O., Cleveland—Commercial and Hotel—J. C. Gutbrod, 1814 West 25th St., plans 4 story and basement, 50 x 128 ft., brick, steel and concrete, West 25th St. and Jay Ave. $150,000. Engineer and architect not selected.

O., Cleveland—Store—Ames Co., c/o S. A. Feinstein, 156 West 34th St., New York City having plans prepared by Starrett & Van Vleck, 8 West 40th St., New York City, 2 story, 72 x 175 ft., brick, steel and concrete addition, East 2nd St. and Euclid Ave., here. $150,000.

O., Cleveland — Warehouse — B. H. Kroger Grocery & Baking Co., B. H. Kroger, pres., 813 Main St., Cincinnati, having plans prepared by C. M. Stegner, 707 2nd Natl. Bldg. Cincinnati, 4 story and basement, 200 ft. long, brick and rein.-con., East 55th St., here. $350,000.

O., Mariemont—Hospital—Mariemont Co., 1 Baker Court, Cincinnati, having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., Cincinnati, 4 story and basement, rein.-con. and brick, plain foundation, here. $500,000.

O., Youngstown—Store—McCrory Stores Co., c/o S. R. Cunningham, 13 Central Sq., had plans prepared 6 story and basement, 100 x 150 ft., brick, steel and concrete, Central Sq. $300,000. J. I. Kuhn, 13 Central Sq., dist. engr. Noted Oct. 2.

Mich., Dearborn — Temple — Masonic Temple Assn., had plans prepared by G. D. Mason & Co., 80 Griswold St., Detroit, 3 story and basement, 60 x 110 ft., rein.-con., brick and steel, plain foundation, $150,000.

Mich., Detroit — Office — Book Estate, Book Bldg., Washington Blvd., plans 35 story and basement, about 100 x 120 ft. rein.-con., brick and steel, Washington Blvd. and Grand River Ave. To exceed $3,000,000. Engineer and architect names withheld.

Ill., Belleville — Temple — Bd. Trustees Masonic Lodge St. Clair 24, having preliminary plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story and basement; 92 x 120 ft., rein.-con. and brick, rubble foundation, A and Church Sts. $150,000.

Ill., Chicago — Theater — Earl Carroll Realty Corp., 755 7th Ave., New York City, plans brick and stone, plain foundation,

Buildings—Commercial (Continued)

here. $350,000. Engineer and architect not selected.

Ill., Murphysboro—Court House and Jail—Bd. Supervs. Jackson Co. making preliminary plans 3 story and basement, rein.-con., brick and stone court house and jail. $300,000 Engineer and architect not announced.

Ia., Cedar Rapids — Store and Office — Iowa Railway & Light Co., c/o W. G. Dows, Bows Bldg., having plans prepared by Childs & Smith, 720 North Michigan Ave., Chicago, Ill., 14 story and basement, 120 x 140 ft., rein.-con., brick and stone, 2nd Ave. and 2nd St. $1,000,000.

BIDS DESIRED

N. H., Manchester — Apartment — L. Scidel, c/o W. E. Provost, archt., 1061 Elm St., taking bids 90 x 100 ft., brick and timber, plain foundation. $170,000.

Mass., Boston — Hospital — Apr. 10, by City Auditor, City Hall, 9 story and basement, brick and limestone, plain foundation, Albany and East Concord Sts. $750,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., archts. Noted Sept. 4.

R. I., Central Falls—Clubhouse—Mar. 28, by J. F. Sullivan, pastor Holy Trinity Church, 3 story and basement, 70 x 75 ft., with 1 story, 27 x 90 ft. wing, brick clubhouse. $150,000. I. S. Gorman, 72 Weybosset, Providence, archt.

Pa., Erie—Exchange—Mutual Telephone Co., Erie, and Alden & Harlow, archts., Farmers Bank Bldg., Pittsburgh, taking bids 2 story and basement, 165 x 175 ft., brick and stone, 10th St. $150,000.

O., Lakewood (Cleveland P. O.)—Apartment — H. C. and A. T. Bisxanty, 1085 Leedale Ave., Cleveland, taking bids 3 story and basement, 40 x 160 ft., brick and timber, Lake Ave. west of Cook Ave., here. $175,000. C. S. Pennington, 14,707 Lake Ave., Cleveland, archt.

Ill., Riverside — Apartment — H. M. Meincke & Bro., 1247 South Grove Ave., taking bids 3 story and basement, 124 x 140 ft., rein.-con., brick and stone, Lincoln Rd. and Park. $200,000. Private plans.

Tex., New Braunfels—Hotel—Apr. 4, by H. Landa, and H. T. Phelps, archt. and engr., Hicks Bldg., San Antonio, 7 story and basement, 70 x 120 ft., rein.-con., brick and stone, plain foundation. $150,000. Noted Mar. 12.

Tex., San Antonio—Bank—May 7 (extended date), by Phelps & De Wees, archts. and engrs., Gunter Bldg., 1 story and part basement, 62 x 111 ft., rein.-con. and stone, plain foundation, Travis and St. Marys Sts., for Commercial Natl. Bank and Commercial Bank & Trust Co. $175,000. Noted Mar. 19.

Calif., Los Angeles—Exchange—Parkinson & Parkinson, archts., Title Insurance Bldg., taking bids 3 story and basement, 75 x 100 ft., brick and steel, Meridian St., for Southern California Telephone Co., 740 South Olive St. Noted May 1.

Calif., Los Angeles—Hotel and Store—F. Dorn, archt., Marsh-Strong Bldg., taking bids 3 story and part basement, 33 x 143 x 173 ft., brick, 7th St. and Central Ave., for F. R. Strong, c/o architect.

Calif., Sacramento — Depot — Bliss & Faville, archts., Balboa Bldg., San Francisco, taking bids 3 story, brick and rein.-con., North I St., near 5th St., here, for Southern Pacific R.R. Co., 65 Market St., San Francisco. $200,000.

BIDS RECEIVED

Pa., Phila.—Fire Headquarters—Dept. Pub. Safety, City Hall, Mar. 16, 3 story and basement, 107 x 129 ft., brick, plain foundation, 1328 Race St., from Kober Constr. Co., 37 South 17th St., $265,777. Noted Mar. 12.

CONTRACTS AWARDED

Mass., Boston — Garage — Kudish & Kager, 521 Seaver St., Roxbury, 1 story, 125 x 300 ft., rein.-con. and brick, 1246 Massachusetts Av., to N. Hurwitz, 294 Washington St., Boston. Archts. est. $200,000. Noted Mar. 5.

Mass., Gloucester — Club — Annisquam Yacht Club, 2 story, 60 x 100 ft., brick and timber, to R. A. Doyle, 32 Caldwell Crescent, Lynn. Archts. est. $150,000. Noted Jan. 8.

Mass., South Boston (Boston P. O.)—Garage—J. D. Marr, pres. D. Marr & Sons, 384 Dorchester Ave., will build 2 story, 100 x 200 ft., rein.-con. and steel, plain foundation, Old Colony Ave. and D. St., by day labor. $175,000. E. N. Adams, 86 Everett St., Arlington, archts. Noted Feb. 12.

Mass., Springfield — Station — Boston & Albany R.R., F. W. Freeman, ch. engr., South Station, 1 story, 121 x 302 ft., brick and stone, to New England Constr. Co., 274 Main St. Noted Mar. 5.

Mass., Wareham—Bank—Wareham Natl. Bank, c/o J. W. Beal Sons Co., archts., 62 Summer St., Boston, 2 story and basement, rein.-con., brick and stone, Main St., here, to G. Howard & Sons, Holbrook Bldg., Brockton. Archts. est. $150,000. Noted Feb. 5.

R. I., Olneyville (Providence P. O.)—Club—Providence Boy's Club, 226 South Main St., Providence, 2 story and basement, 70 x 170 ft., brick, Atwood St., here, to O. D. Purington & Co., 605 Ind. Tr., Providence. Archts. est. $160,000.

R. I., Providence—Garage—R. Williams Realty Co., Providence, and 50 East 42nd St., New York City, 6 story, brick and steel, Fountain, Union and Sabino Sts., to L. A. Scott Co., Grand Central Terminal, New York City. Archts. est. $1,000,000. W. S. Achorn, c/o R. L. Motor Co., 265 Plain St., lessee. This corrects report in Mar. 5 issue.

N. Y., Jackson Heights (Sta. Flushing)—Theatre — Grob & Knobel, c/o Jackson Theatre, brick, steel and stone, plain foundation, Northern Blvd. and 83rd St., to M. J. Kramer & Son, Grand Central Terminal, New York City. Archts. est. $1,000,000.

N. Y., Livingston—Office—Staten Island Edison Corp., St. George, 2 story office building, Richmond Terrace and Davis Ave., here, to J. G. White Eng. Corp., 43 Exch. Pl., New York City, about $250,000.

N. Y., New York—Apartment—Biltrite Impvt. Co., c/o J. M. Felson, archt. and engr., 220 West 57th St., will build 5 story, brick, steel and stone, plain foundation, Fulton Ave., by day labor.

N. Y., New York — Home — St. Marys Home for Working Girls, c/o E. F. Fanning, 134 East 44th St., 5 story, brick, steel and stone, plain foundation, 227 East 72nd St., to J. and W. C. Wallace, 282 11th Ave.

N. Y., New York—Office—Natl. Bd. Fire Underwriters, 76 William St., 14 story, brick, steel and stone, plain foundation, John and Gold Sts. to J. Stewart & Co., Inc., 17 East 42nd St. Archts. est. $1,150,000. Noted Mar. 12.

Pa., Dormont — Warehouse — White Transfer & Storage Co., 708 Duquesne Way, Pittsburgh, general contract 4 story and basement, 97 x 100 ft. warehouse, here, to Pittsburgh Eng. & Constr. Co., Homewood Ave., Pittsburgh. Archts. est. $150,000.

Pa., Gettysburg—Theatre and Hotel—Gettysburg Hotel Corp., 4 story and basement, 144 x 151 ft., brick and steel, plain foundation. to Austin Co., Jefferson Bldg., Phila. Archts. est. $400,000. Noted Jan. 8.

Pa., Phila.—Lodge—Central Hall Assn., c/o H. W. Rommell, chn., 555 North 17th St., 4 story and basement, 40 x 158 ft., brick and steel, plain foundation, 16th and Oxford Sts., to J. Y. Loux, 15th St. and Hunting Park. Noted Feb. 19.

Pa., Pittsburgh—Warehouse—Atlantic & Pacific Tea Co., 150 Bay St., Jersey City, N. J., general contract 3 story and basement, 80 x 119 ft. warehouse, Dallas Ave. and Penn. R.R., to Turner Constr. Co., 11 Goodell St., Buffalo, N. Y. Archts. est. $150,000.

Pa., Scranton — Store — Scranton Dry Goods Co., Lackawanna and Wyoming Sts., 8 story and basement, 57 x 137 ft., brick and steel, plain foundation, to Sinclair & Griggs, Medical Arts Bldg., Phila. Noted Feb. 26.

N. J., Newark — Warehouse — Lehigh Warehouse & Transportation Co., Inc., 118 Frelinghuysen Ave., 7 story, 100 x 120 ft., rein.-con., concrete pile foundation, Frelinghuysen Ave., to Turner Constr. Co., 244 Madison Ave.

Fla., Bradentown — Bank and Office — Bradentown Bank & Trust Co., 7 story, 50 x 100 ft., brick, steel and Indiana limestone, Manatee and Court Sts., to G. A. Miller, 28 Petteway Bldg., Tampa, $275,000. Noted Nov. 12.

Tenn., Nashville — Office — Bennie-Dillon Co., W. W. Dillon, pres., 304 3rd Ave. N., general contract (1st unit) 12 story and basement, concrete, brick and steel, 7th Ave. and Church St., to E. G. Holladay Constr. Co., 9th Ave. N., approximately $750,000. Noted Feb. 12.

O., Cleveland — Apartment — Hampton Impvt. Co., N. E. Berke, mgr., 826 Leader-News Bldg., 3 story and basement, 80 x 150 ft., 2899 Hampton Rd., to I. and B. Dolinsky, 6317 Kinsman Rd. Archts. est. $150,000.

O., Cleveland—Commercial and Studio—Syndicate, c/o J. Laronge, Union Trust Bldg., 12 story, 105 x 200 ft. brick and steel, 2508 Euclid Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $2,000,000.

Mich., Detroit — Mercantile — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 13 story and basement, 80 x 100 ft., rein.-con., brick and steel, plain foundation, Library Ave., for Crowley Milner Co., Gratiot and Farmer Sts., to O. Misch Co., 150 East Columbia Ave. Noted Feb. 12.

Ill., Edwardsville—Sanitorium—Madison Co. Tuberculosis Sanitorium, B. Hanke, chn., general contract 2 and 3 story, concrete, brick and stone, to W. C. F. Kuhne, Rentoul, $118,166. Noted Mar. 19.

Wis., Milwaukee — Apartment — Park Investment Co., c/o M. G. Peters, 765 Sherman Blvd., 3 story and basement, brick and concrete, plain foundation, Lisbon Ave., to H. Riesen & Son., 1188 Humboldt Ave., and Cutler Constr. Co., 886 46th St. Archts. est. $150,000. Noted Jan. 1.

Ia., Sioux City—Club House—Epiphany Council, Knights of Columbus, J. C. Mullaney, secy., Grain Exch. Bldg., general contract 2 story and basement, 76 x 201 ft., brick, steel and stone, 8th and Deiglas Sts., to J. H. Keefe, 518 U. B. Bldg., about $130,000. Noted Mar. 19.

Kan., Atchison—Hotel—W. H. White, 5 story and basement, 72 x 100 ft., main building, etc., rein.-con., brick and terra cotta, to E. H. Lawhon Constr. Co., 905 Edmond St., St. Joseph, Mo. Archts. est. $200,000.

Kan., Ft. Scott—Memorial Auditorium—City, general contract 2 story and basement, 120 x 150 ft., rein.-con., brick and stone, to Blaser-Vollmer Constr. Co., Ft. Scott, $138,447. Noted Feb. 19.

Minn., Duluth—Apartment Hotel—O. C. Wick, 1001 East 7th St., 4 story and basement, 59 x 140 ft., and 37 x 140 ft., rein.-con., brick and timber, 1st Ave. W. and 3rd St., to F. A. Carlson, Lyceum Bldg., $150,000.

Mo., Kansas City—Business—Household Fair, 1012 Walnut St., will build 8 story and basement, 49 x 150 ft. rein.-con., brick and terra cotta, by day labor under supervision Greenbaum, Hardy and Schumacher, archts., 216 Scarritt Bldg.

Mo., St. Louis—Apartment—V. A. Chinberg, 808 Chestnut St., will build 3 story and basement. 60 x 89 ft., rein.-con., brick and stone, Chamberlin Ave., by day labor. $150,000. Nolte & Nauman, Fullerton Bldg., archts.

Mo., St. Louis—Community—Neighborhood Assn., 817 North 19th St., general contract 4 story and basement, rein.-con., brick and stone, plain foundation, to J. Hill Constr. Co., Syndicate Trust Bldg.

Mo., University City—Apartment—J. C. Jannopoulo, 726 Kingsland Ave., 4 story and basement, 100 x 100 ft., rein.-con., brick and stone, Delmar Blvd and Kingsland Ave., to H. A. Wagner, 112 North Bemiston St., St. Louis. Archts. est. $200,000.

Okla., Oklahoma City—Hotel—Huckins Hotel Co., 20 N. Bway., remodeling lobby and mezzanine floor and constructing main floor addition, rein.-con., brick and stone, to C. M. Dunning, 135 West Grand St. Archts. est. $150,000.

Ore., Portland — Apartment — E. A. Gudhart, 986 Garfield St., will build 5 or 6 story, 100 x 100 ft., rein.-con. and timber, plain foundation, 19th and Ever St., by day labor. $200,000.

Calif., Los Angeles—Hotel—C. Rosenthal, Los Angeles, 3 story and basement, 50 x 160 ft., brick, West 6th St., to Macdonald & Driver, Douglas Bldg., cost plus percentage basis.

Calif., Los Angeles—Hotel—Shostak & Goldware, 619 Union League Bldg., will build 4 story and basement, 106 room, brick and concrete, South Burlington St., by day labor. $175,000.

Calif., Los Angeles — Hotel, etc. — A. Schwartz, c/o W. E. Chadwick, designer, Union League Bldg., 3 story and basement, 60 x 110 ft., brick and concrete hotel and bath house, Chicago and Cable Sts. to Beaver Constr. Co., 1019 South Main St., approximately $150,000.

Calif., Los Angeles—Terminal and Office—Subway Terminal Corp., c/o Schultze & Weaver, archts., Pacific Mutual Bldg., 12 story, 140 x 325 ft., steel and rein.-con., Hill St., to P. J. Walker Co., Garland Bldg., approximately $2,500,000 fixed fee basis. Noted Feb. 5.

Calif., Los Angeles—Warehouse—H. J. Cole, 2 story (ultimately 4 story), 158 x 267 ft., rein.-con., Mateo St., to J. M. Cooper, Marsh-Strong Bldg. $260,000.

Calif., Los Angeles—Warehouse—Hayward—Wakefield Co., 215 East 6th St., 4 story (ultimately 8 story) 144 x 217 ft. rein.-con., 7th St., to J. M. Cooper, Marsh-Strong Bldg.

Calif., Oakland — Theatre — F. W. Maurice, 1362 East 25th St., will build 101 x 176 ft. bleecher type, rein.-con. theatre, 1,500 seating capacity, 14th St. and 21st Ave., by day labor. $350,000. Ackerman & Harris, Phelan Bldg., San Francisco, lessee.

Calif., San Francisco — Apartment — H. Wiedeman, 155 Henry St., 4 story and basement, rein.-con., Gough St. and Lily Ave., to E. V Lacey, 180 Jessie St., $150,000.

Calif., San Francisco — Apartment and Store—Dowling, Nuttman, McCarthy Co., 261 Valencia St., will build 5 and 7 story

Buildings—Commercial (Continued)

and basement, 75 x 100 ft., rein.-con., 14th and Valencia Sts., by day labor. $155,000. G. A. Berger, 261 Valencia St., archt. J. J. Walsh, 112 Market St., engr.

Calif., Stockton — Store — Woolworths Dept. Store Co., Rialto Bldg., San Francisco, 1 and 2 story, rein.-con., Sutter and Main Sts., here, to Macdonald & Kahn, 130 Montgomery St., San Francisco, approximately $150,000.

Ont., Ottawa—Office—Metropolitan Life Insurance Co., steel work for office building, Wellington St., to Canadian Bridge Co., Walkerville, about $200,000.

Ont., Oshawa—Exchange—Bell Telephone Co. of Canada, 2 story and basement, 50 x 80 ft., rein.-con. and brick, plain foundation, general contract to J. V. Gray Constr. Co., Confederation Life Bldg., Toronto; plumbing, heating, etc., to Libby & Libby, Oshawa.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Agawam—School—Town plans 2 story high school. $150,000 or more. Engineer and architect not selected.

Mass., Cohassett — School — School Bd. plans 2 story school. $150,000-$175,000. Engineer and architect not selected.

R. I., Warren—School—H. De Wolf, chn. School Com., having plans prepared by A. H. Humes, 332 Main St., Pawtucket, 2 story, brick school, Childs St. $175,000. Noted Oct. 30.

N. Y., Buffalo — School — Bd. Educ., Genesee Bldg., plans manual training and domestic science room addition to School 39, High St. $150,000.

Pa., Erie — Church — Luther Memorial Congregation, having plans prepared by Alden & Harlow, Farmers Bank Bldg., Pittsburgh, 1 and 2 story and basement, 105 x 205 ft., brick or stone, 10th St. $200,000.

Pa., Pittsburgh — Church — Ebenezer Baptist Church, c/o J. C. Austin, pastor, 9 Junilla St., having plans prepared by C. W. Bolton & Son, 1505 Race St., Phila., 2 story and basement, 90 x 115 ft., stone, Wylie and Deville Sts. $250,000.

Pa., Pittsburgh — School and Chapel — Church of Nativity Roman Catholic Congregation, Franklin Rd., having plans prepared by C. G. Strong, Keystone Bldg., 3 story and basement, 55 x 100 ft. school and chapel, Franklin Rd. $150,000.

Pa., Sharon—Church—First Presbyterian Church, having preliminary plans prepared by W. H. Nicklas, 801 Gee Stone Bldg., Cleveland, O., 2 story and basement, incl. gymnasium, auditorium, sunday school and recreation rooms. $225,000.

La., Baton Rouge—Schools—Voted $1,000,000 bonds constructing schools. W. B. Hatcher, supt.

Kan., Lyons—School—Election Apr. 7, $150,000 bonds for school.

Kan., Newton—High School—Defeated $215,000 bonds for new Junior High School. Noted Feb. 19.

South Dakota—School, etc.—State Legislature appropriated $350,000 for rebuilding main building for normal school recently destroyed by fire, in Spearfish; $195,000 for womens building and furnishings, and $112,250 for soldiers home in Custer; $100,000 for boys and girls home, $25,000 for addition to power plant, $15,000 for laundry, $40,000 for dairy, and $75,000 for hospital in Redfield; $30,000 for boys dormitory and industrial building for the blind in Gary; and $15,000 for warehouse for hospital for insane in Yankton.

Tex., Midland—School—Voted $150,000 bonds, improvements to schools. J. B. Howe, secy. Bd. City Trustees.

Tex., Temple—School—Election Apr. 6, $210,000 bonds for school buildings, incl. $60,000 for Reagon School, etc. O. F. Gober, pres. School Bd.

Calif., Colusa—High School—Plans election $150,000 bonds for group fireproof high school buildings, for Colusa Union High School Dist.

Calif., Galt—High School—Galt High School Dist. defeated $150,000 bonds fireproof high school. Noted Mar. 5.

Calif., Los Angeles—School—City soon takes bids 1 and 2 story, 115 x 140 ft., rein.-con. and brick., Wilmington Park site. $150,000. H. Glidden, 2638 Artesian St., archt.

Calif., Los Angeles—School—City soon takes bids Franklin High School, 2 story, 65 x 200 ft. classroom building, and 122 x 204 ft. auditorium, etc., both brick and rein.-con. $350,000. Jeffery & Schaefer, Kerchkoff Bldg., archts.

Sask., Saskatoon—Laboratory and Engineering—University of Saskatchewan plans rebuilding tractor laboratory and engineering buildings, recently destroyed by fire. Loss $300,000. W. C. Murray, pres.

BIDS DESIRED

Mass., Arlington Heights (Boston P. O.) — Church — St. James Roman Catholic Church taking bids 1 story and basement, 110 x 150 ft., rein.-con., brick, stone and granite, plain foundation, Appleton St. $150,000. W. B. Colleary 80 Boylston St., Boston, archt. Noted Mar. 12.

Mass., Worcester—School—Mar. 30, by Pub. Buildings Dept., Main and Front Sts., 2 story and basement, 60 x 120 ft., brick, Crawford St. $150,000. J. Rustigian, 405 Main St., archt. Noted Jan. 29.

Conn., New London—School—Apr. 1, by Bd. Educ., 18 room brick school, Mercer St. $150,000. J. G. Creighton, 140 State St., archt. Noted Jan. 15.

Conn., Norwich — School — St. Josephs Parish, S. A. Ilick, pastor, taking bids 2 story and basement, brick and cast stone, Bliss St. $150,000. J. Jackson, 185 Church St., New Haven, archt. Noted Feb. 26.

Pa., Donora — School — Apr. 1, by Bd. Educ. and C. C. Compton, archt., Donora, 3 story and basement, 56 x 132 ft. addition, McKean Ave. $150,000.

Pa., Harrisburg—High School—Apr. 13, by Harrisburg School Bd., Chestnut St., John Harris High School, 1 story, 312 x 332 ft., brick or stone, with 2 gymnasiums, auditorium, separate cafeteria and workshop. $980,000. Noted Dec. 11.

Pa., Pittsburgh — Church — Spencer Methodist Episcopal Congregation, 117 Spencer Ave., and C. W. Bier, archt., Pittsburgh Life Building, Pittsburgh, taking bids 1 story and basement, 75 x 143 ft., brick on hollow tile, Spencer Ave. $150,000.

Pa., Taylor—High School—Apr. 23, by School Dist., W. Thomas, secy., 2 story and basement, 123 x 150 ft., brick and steel, plain foundation. $175,000. J. J. Howley, Traders Bank Bldg., Scranton, archt. Noted Jan. 1.

Pa., Uniontown—High School—Apr. 3, by E. R. Johnson, archt., Fayette Title & Trust Bldg., Lafayette Jr. High School, 2 story and basement, Connellsville Ave. and Collins St., for Bd. Educ. $200,000. Noted Jan. 8.

Pa., Uniontown — High School — Apr. 3, by Bd. Educ., Ben Franklin Jr. High School, 2 story and basement, Morgantown St. $275,000. H. W. Altman, Fayette Title & Trust Bldg., archts. $275,000. Noted Jan. 8.

O., Cleveland — Church — Apr. 4, by Nativity Blessed Virgin Mary Roman Catholic Church, V. A. Chaloupka, 9614 Aetna Rd., 1 story and basement, 70 x 154 ft., brick, steel and concrete, Aetna Rd., $155,000. W. C. Jansen, 1227 Prospect Ave., archt.

O., Galion—High School—Apr. 2, by Bd. Educ., Junior High School, 3 story and basement 127 x 238 ft., brick, steel and concrete. $350,000. Althouse & Jones, Mansfield, archts. Noted Dec. 11.

Mich., Royal Oak—Schools—Mar. 30, by C. Rock, secy. Bd. Educ. Dist. 7, 2 story and basement, rein.-con., brick and steel, plain foundation, Scotia Rd. and Morrison Ave. $200,000. Lane, Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, archts.

Ill., Fairfield—High School—Mar. 31, by Bd. Educ., c/o J. T. Blakeley, secy., main building 3 story and basement, 60 x 160 ft., and gymnasium 54 x 70 ft., rein.-con., brick and stone. A. L. Pillsbury, Peoples Bank Bldg., Bloomington, archt.

Wis., Racine—School—Apr. 9, by Bd. Educ., A. Schafer, secy., 2 story, brick and tile addition to Pratt School, plain foundation. $150,000. J. M. Matson, Baker Block, archt.

Ia., Creston—School—Mar. 31, by Secretary Bd. Educ., 2½ story, 154 x 208 ft., concrete, brick and stone. $260,000. Keffer & Jones, 204 Masonic Temple, Des Moines, archts. Noted Mar. 12.

Ia., Des Moines—Schools—Mar. 31, by G. L. Garton, secy. Bd. Educ., 2 story and basement, brick and concrete additions to Howe School, Southwest 7th St. and Indianola Rd., $75,000, and to Hubbell School, $85,000, Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., archts.; 2 story and basement, brick and concrete additions to McKinley School, $75,000, Casady School, $60,000, and Rice School, Proudfoot, Rawson & Souers, 810 Hubbell Bldg., archts.

Tex., Bowie—High School—W. G. Clarkson & Co., archts., 1st Natl. Bank Bldg., Ft. Worth, taking bids 2 story and basement, rein.-con., brick and steel concrete pile foundation, for Bowie Industrial School Dist., c/o I. L. Chandler, secy. $150,000. Noted Jan. 15.

Ore., Woodburn — School — Apr. 3, by State Bd. Control, Salem, group of 1, 2 and 3 story, rein.-con. and steel school buildings, 1½ mi. north of here. $200,000. Knighton & Harroll, U. S. Natl. Bank Bldg., Portland, archts.

BIDS RECEIVED

N. Y., Brooklyn — School — W. H. Gompert, supt. school building, Flatbush Ave. extension and Concord St., Mar. 19, P. S. 63, Williams Aves., general contract from G. F. Driscoll, 115 Schermerhorn St., $474,890; plumbing, from A. J. Hendel, 32 Railroad Ave., Corona, $37,977; heating, from D. J. Rice, 405 Lexington Ave., New York City, $65,875. Noted Mar. 5.

Ia., Iowa City — Medical Laboratory — W. H. Gemmill, secy, State Bd. Educ. Mar. 17, general contract 3 story and basement, 210 x 316 ft., rein.-con., brick, steel, tile and stone, from Madsen Constr. Co., 848 Builders Exch., Minneapolis, Minn., $570,000. Noted Mar. 5.

Calif., Berkeley — Gymnasium — University of California, 708 15th St. (1st unit), Phoebe Hearst Memorial, 3 story, concrete gymnasium, from K. E. Parker Co., 519 California St., San Francisco, approximately $300,900. Total $1,000,000. Noted Jan. 15.

Calif., Pasadena — School — Bd. Educ., general contract Madison Elementary School, 2 story, 206 x 218 ft., brick, from A. Johnson Co., 1007 South Grand Ave., Los Angeles, $118,918. Noted Mar. 19.

Calif., South Pasadena — Academic — Trustees South Pasadena High School Dist., general contract 2 story and basement, approximately 75 x 200 ft., brick academic building at high school, from J. F. Atkinson, Story Bldg., Los Angeles, $128,000. Noted Jan. 15.

CONTRACTS AWARDED

N. H., Milford—School—Bd. Selectmen, 2 story and basement, 70 x 150 ft., brick and stone, plain foundation, to Hoyt Constr. Co., 85 Dartmouth St., Holyoke. Archts. est. $150,000. Noted Feb. 5.

Mass., Cambridge (Boston P. O.)—School—Harvard University, group of 18 buildings, Charles River, to Hegeman Harris Co., Inc., 360 Madison Ave., New York City. Archts. est. $5,000,000. This corrects report in Mar. 19 issue.

Mass., Revere (Boston P. O.)—Church—St. Anthoney's Roman Catholic Parish, E. Roval, pastor, 1 story and basement, brick, steel and cast stone, Revere St., to Capobiance Constr. Co., 46 Cornhill St., Boston. Archts. est. $150,000.

R. I., Phoenix—School—School Bd., 2 story and basement, brick, to R. J. McIntyre, 6 Fairoaks Bldg., Providence, Archts. est. $150,000. Noted Mar. 19.

N. Y., New York—High School—Catholic Archdiocese of New York, c/o R. J. Reilly, archt. and engr., 50 East 41st St., brick, steel and stone, plain foundation, 50th St. and Lexington Ave., to P. J. Brennan & Son, 624 Madison Ave. Archts. est. $1,000,000.

N. J., Red Bank—School—Bd. Educ., general contract 18 room addition to River St. School, to H. Getty, Little Silver, $216,050; heating and ventilating, to J. H. Martin, 1 West 34th St., New York City, $37,250.

Pa., Grove City—Church—First Presbyterian Church, general contract 1 and 2 story and basement church, to H. Platt Co., Erie, $259,600.

Pa., Lewistown—Church—Grace Evangelical Church, Logan and Spruce Sts., general contract 2 story and basement, 80 x 100 ft., church, Logan St., to W. D. Steinbachs Sons, Lewistown, $71,000; furnishing stone, to S. Ruff & Son, 15 East Fayette St., Baltimore, Md., $54,000. Archts. total est. $175,000. Noted Mar. 5.

Pa., Pittsburgh—Church—Sacred Heart Roman Catholic Congregation, c/o T. F. Coakley, pastor, 5934 Center Ave., general contract (1st unit) 2 story and basement, church, Shady and Walnut Sts., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $270,000. Total group $1,500,000. Noted Mar. 5.

Md., Baltimore—School—Bd. Awards, 1 story and basement, brick, plain foundation, Allen Dr., Glen-Rokeby Rd. and Dryden Dr., to H. L. Maas & Son, Munsey Bldg., $154,500. Noted Mar. 19.

Md., Bowie—Administration—State Bd. Educ., 2014 Lexington Bldg., Baltimore, 2 story and basement, 103 x 136 ft., brick administration building and additions, plain foundation, here, to H. L. Maas & Son, Munsey Bldg., $150,000. Noted Feb. 12.

Mich., Detroit—School—C. A. Gadd, secy. Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 100 x 145 ft., rein.-con., brick and steel, plain foundation, Plymouth Rd. and Livernois Ave., to W. W. DeLange, 7040 Farnsworth Ave., $177,000. Noted Feb. 26.

Wis., Milwaukee — Synagogue — H. H. Bruns, archt., 845 26th St., superstructure

Buildings—Educational, Religious (Con't)

for 2 story, 60 x 130 ft., brick and concrete, 11th and Vine Sts., to Reisinger & Co., 466 Oakland Ave., for Congregation Ansche Lebowich, J. Schefrin, 2219 Chestnut St. Archts. est. $150,000. Noted Feb. 19.

Wis., Racine — School — Bd. Educ., A. Schafer, secy., general contract 2 story and basement, brick and tile addition to Knapp School, plain foundation, to J. C. Jensen, 2342 Meachem St., $90,000. Noted Mar. 5.

Neb., Omaha—High School—Bd. Educ., c/o C. V. Warfield, City Hall, 4 story and basement, 84 x 112 ft., brick, steel and stone high school to Parsons Constr. Co., 404 Arthur Bldg., $547,660. Noted Sept. 4.

Mo., O'Fallon—Chapel—St. Mary's Convent, c/o W. Wilhelmin, mother superior, 1 story, basement and balcony, 100 x 135 ft., rein.-con., brick and stone, to Hopehouse Constr. Co., Okonee, Ill. Archts. est. $150,000.

Mo., Springfield—Dormitory, etc.—Drury College, general contract concrete and stone girl's dormitory, to G. F. Henschel, 1211 South Pickwick St.; also rein.-con. and stone library, to Pauly Constr. Co., Land Bank Bldg. Noted Mar. 5.

Calif., Long Beach — High School — Bd. Educ., general contract for Woodrow Wilson High School, rein.-con., to J. D. Sherer & Son, 1865 East Anaheim St., for City. $408,425. Noted Mar. 12.

Calif., South Pasadena — School — Trustees South Pasadena High School Dist., general contract 2 story and basement, brick high school, to J. F. Atkinson, 1102 Story Bldg., Los Angeles, $128,000. Noted Jan. 15.

Federal Government Work

PROPOSED WORK

Mass., Chelsea—Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., having sketches made officers quarters at Naval Hospital, here. Private plans.

N. Y., New York — Chimney — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans brick chimney, 200 ft. high, 10 ft. inside diam., at Navy Yard, here.

Mo., Fayette — Post Office — U. S. Post Office Dept., Wash., D. C., plans 1 story and basement, rein.-con. and brick post office, here.

Colorado — Roads — Bureau Pub. Rds., Custom House, Denver, plans grading 3 mi. Independence Pass Rd.; 4 mi. Tennessee Pass Rd., 5 mi. West Creek Decker Rd.; 5 mi. Fremont Pass Rd.; 4 mi. Exeter Lake-Chicago Creek Co.; and 5 mi. Cumbres Pass Rd. J. W. Johnson, Custom House Bldg., Denver, engr.

Calif., Mare Island—Paving—Spec. 5092—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids asphalt paving on causeway connecting Mare Island with Vallejo, here.

BIDS DESIRED

Mass., Amherst—Post Office—Apr. 15, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office building, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Mar. 26.

Mass., Northampton - - Recreation — Apr. 21, by U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., recreation building and covered walk, etc., at U. S. Veterans Hospital 95, here; adv. E. N.-R. Mar. 26.

N. Y., Governors Island—Repairs—Apr. 16, by Constructing Quartermaster, Room 510, 39 Whitehall St., New York City, repairing car ferry slips, here; adv. E. N.-R. Mar. 26.

Va., West Huntington—Dwellings—Apr. 10, by U. S. Engineer Office, War Dept., Wash., D. C., constructing 5 dwellings at Dam 32 Ohio River, here.

La., New Orleans—Levee Work—Fourth Mississippi Dist., 140 Decatur St., taking bids constructing 4,500,000 cu.yd. earth work as follows: In Lower Tensas Levee Dist., Concordia Parish, 30,000 cu.yd. Boudrant Levee, 695,000 cu.yd. Helena-Concordia Levee Dist., 103,000 cu.yd. Forest-Homo Levee Dist., 300,000 cu.yd. Grooms Levee, 309,000 cu.yd. Fish Pond Levee Dist., 1,000,000 cu.yd. Bougere-Middio Levee Dist., 300 cu.yd. Point Breeze Levee; in Atchafalaya Levee Dist., Ascension and Iberville Parishes, 300,000 cu.yd. New Hope Levee, 230,000 cu.yd. Tenessee Levee, 275,000 cu.yd. White Castle Levee, 180,000 cu.yd. Babin Levee, 126,000 cu.yd. Evanhall Levee; in Baratavia Levee Dist., Plaquemine Parish, 39,000 cu.yd. Belle Chasse Levee, 45,000 cu.yd. Deer Range Junior Levee, 23,000 cu.yd. Woodland Levee, 13,600 cu.yd. Socola Levee, 13,600 cu.yd. Amoretti Levee, 15,000 cu.yd. Home Place Levee; in Pontchartrain Levee Dist., St. James, and Lake St. Charles Parishes, 430,000 cu.yd. Angelina Levee, 65,000 cu.yd. Ormond Levee, 50,000 cu.yd. Red Church Levee; in Lake Borgni Levee Dist., Plaquemine Parish, 191,000 cu.yd. Caernavon Levee, 18 cu.yd. Harlom Levee.

Ore., Portland—Hospital—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., takes bids about May 12, veterans' hospital, here.

Calif., Point St. George—Garage—Apr. 15, by Pub. Wks. Office, Navy Yard, Mare Island, garage at radio station, here.

Calif., San Diego—Surfacing—Spec. 5089—Apr. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., surfacing warming up platform, here.

BIDS RECEIVED

Ill., Great Lakes—Buildings, etc.—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., constructing U. S. Veterans Hospital here, general contract from Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., (a) $526,184 (b) $89,765 (c)$97,000 (d) add $300 (e) $2,000 (f) deduct $2,500; plumbing and heating, from C. A. Hooper, 453 West Gilman Ave., Madison, Wis., $66,000 and $62,000 respectively. Noted Feb. 12.

Tex., Gilmer—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, from A. C. Samford, Montgomery, Ala., $38,779. Noted Feb. 19.

CONTRACTS AWARDED

Md., Annapolis—Well Houses—Spec. 5056—Bureau Yards & Docks, Navy Dept., Wash., D. C., well houses at Naval Academy, here, to S. B. Dove, 597 W St., $2,953 (120 days). Noted Feb. 5.

Md., Baltimore—Repairs—Treas. Dept. at office Supervising Archt., Wash., D. C., repairing, reroofing, etc., at Immigration Sta., here, to J. T. Hazard, 919 Light St., $26,675. Noted Mar. 5.

Va., Quantico—Surfacing Bridge—Bureau Yards & Docks, Navy Dept., Wash., D. C., surfacing bridge, here, to L. M. Johnson, Arlington, $2,375 (60 days). Noted Mar. 19.

Ala., Florence—Generators, etc.—U. S. Engineer Office, Florence, installing four 32,500 kva. generators and switchboard and wiring apparatus, here, to General Electric Co., River Rd., Schenectady, N. Y., $276,357.

Mo., Jefferson Barracks (Ind. Br. St. Louis) — Storehouse — U. S. Veterans' Bureau, Room 791 Arlington Bldg., Wash., D. C., storehouse for U. S. Veterans' Hospital 92, here, to W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, $26,394. Noted Mar. 12.

Calif., San Diego—Paving, etc.—Spec. 5071—Bureau Yards & Docks, Navy Dept., Wash., D. C., paving here, "A" to Pioneer Truck Co., 5th and K Sts., $16,950 (150 days); "B" to R. E. Burgund, Heegard Bldg., Beverly Hills, $16,600 (150 days). Noted Mar. 12.

Unclassified

PROPOSED WORK

Land Development — Brookline (Boston P. O.), Mass.—F. Holdsworth, 50 State St., Boston, plans developing about 5 acres land for building purposes incl. paving, grading sewers water and gas mains in Warren and Lee Sts., here. To exceed $25,000. E. W. Branch, Quincy, engr.

Street Lighting System — Dorchester (Boston P. O.), **Mass.** — City of Boston plans great white way lighting system in Franklin Park, Columbia Rd., Dorchester Ave., Richmond, Adams and Washington Sts., here. $25,000. J. A. Rourke, Dept. Pub. Wks., Boston, comr.

Memorial Entrance—Marlboro, Mass.—Town, J. M. Hurley, mayor, plans memorial entrance to New City Park. $35,000 donation. Private plans.

Pavilions, etc.—Nashville, Tenn.—State Legislature authorized issuance of $250,000 bonds, for pavilions and other buildings on fair grounds, for Tennessee State Fair Assn., Cumberland Park, L. Hickman, chn.

Car Barns—Aurora, Ill.—Aurora, Elgin & Fox River Electric Co. having preliminary plans prepared 1 and 2 story, rein.-con. and steel car barns, South River Street. $325,000.

Subway — Arkansas City, Kan. — Voted $175,000 bonds subway under Atchison, Topeka & Santa Fe R.R. tracks, on Madison and Chestnut Aves. G. R. McIntosh, mayor. Noted Mar. 12.

Retaining Wall — Wichita, Kan. — See "Excavation, Drainage, Irrigation, Levees."

Gas Line Extension — Texas — W. H. Morefield & Co., Tyler, plans extending gas lines from Waskom to Longview and Tyler. $650,000. Private plans.

Wharves, etc.—Beaumont, Tex.—Voted $225,000 bonds wharves and docks. R. C. Black, city engr. Noted Dec. 25.

Street Lighting System — Alhambra, Calif.—Made plans ornamental street lighting system on portions of Curtis Ave. and Valley Blvd. $25,000 or more. M. H. Irvine, city mgr.

Street Lighting System—Covina, Calif.—Making plans ornamental street lighting system on various streets. $25,000. A. E. DeMott, city engr.

Street Lighting System—Fresno, Calif.—Made plans c.i. and steel standards on portions of Dudley and Olive Aves. To exceed $25,000. W. Stranahan, city engr.

Street Lighting System — Hawthorne, Calif. — Plans street lighting system on Hawthorne Ave., Raymond, Acacia Sts., etc. $25,000 or more. V. H. Staheli, city engr.

Ornamental Street Lighting System — Newport Beach, Calif.—Making plans concrete standards, etc., on streets in Balboa Island Dist. $30,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Street Lighting System—Newport Beach, Calif. — Plans ornamental street lighting system on Coast Blvd. between 38th St. and city limits. $25,000 or more.

Retaining Wall—San Francisco, Calif.—See "Streets and Roads."

Oil Distribution System — San Mateo, Calif.—See "Buildings—Industrial."

Piers—Grandes Piles, Que.—St. Maurice River Boom & Driving Co. Ltd., Three Rivers, plans 2 cribwork mooring piers, here. $30,000. C. H. Michaud, Three Rivers, engr.

Power and Electric System—Nominingue, Que.—D. J. Valiquetti, plans water power and electric system. $25,000. Engineer's name withheld.

Jetties, etc. — Three Rivers, Que. — St. Maurice Lumber Co., Three Rivers plans 2 long cribwork jetties and series of 54 bunkers on Mekiac River. $100,000. P. Dufresne, c/o owner, engr.

Hydro Electric Power Development—Ontario — Hydro Electric Power Comn., 190 University Ave., Toronto, plans to investigate and prepare report on water power development on Cataraqui River, Leeds Co. $750,000. F. A. Gaby, ch. engr.

Memorial — Ottawa, Ont. — Dept. Pub. Wks., Parliament Bldgs., will receive designs until June 11, for war memorial, on Connaugh Pl. $100,000. Engineer not selected. S. E. O'Brien, secy.

Power Line—Port Colborne, Ont.—Ontario Hydro Power Comn., University Ave., Toronto, plans extending power lines 10 mi. west from here. $50,000. A. Beck, London, chn.

Road Building Plant, etc.—Saulte Ste. Marie, Ont.—Plans equipping road building plant, incl. construction dock for handling gravel, etc. R. G. Campbell, City Hall, engr.

Swimming Pool—Toronto, Ont.—Harbor Comn., Harbor Comn. Bldg., making plans 50 x 250 ft. concrete swimming pool. $75,000. J. R. Wainwright, Harbor Comn. Bldg., engr.

Grain Jetty, etc.—Vancouver, B. C.—Harbor Commissioners, 712 Pender St. W., making plans grain jetty and berths to No. 2 elevator, $850,000; 1,000,000 bu. annex to No. 1 elevator, $500,000; terminal railway development, $150,000; new fishermans wharf, $150,000; cold storage plant for fish, $90,000; and alterations to Second Narrows Bridge $80,000. W. G. Swan, ch. engr.

BIDS DESIRED

Swimming Pool, etc.—Holyoke, Mass.—Bd. Pub. Wks., taking bids 40 x 75 ft. swimming pool, and 20 x 60 ft. shelter house. P. E. Pond, City Hall, engr.

Inspection Sheds—New York, N. Y.—Apr. 2, by Bd. Transportation, 49 Lafayette St., inspection sheds in Westchester and Wakefield Yards, on Pelham Bay Park and White Plains Ave. branches of Interborough, Bronx Boro.

Subway—New York, N. Y.—Apr. 3, by Bd. Transportation, 49 Lafayette St., section of Central Park West-Washington Heights subway line along Central Park West from 68th to 77th Sts.

Tunnel Improvements—New York, N. Y.—Apr. 7, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., glazed wall tile and enamels, painting and concrete ceiling, slides, screws, frames and doors, etc., for interior finish of Holland Tunnel, Contr. 7.

Tunnel — Sonyea, N. Y. — Apr. 23, by Superintendent Purchase, Capitol, Albany, constructing tunnels and underground heat-

Unclassified (Continued)

ing service lines at Craig Colony, here. S. W. Jones, state archt.; adv. E. N.-R. Mar. 26.

Underground Conduit—Detroit, Mich.—Apr. 9, by Pub. Lighting Comn., 174 East Atwater St., constructing 14 sections A4 to A17 inclusive, underground conduit system starting at Morrell St. at new power plant, extending through 30 streets, incl. East and West Grand Blvds. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

White Way System—Altamont, Ill.—Apr. 6, by J. E. Rhodes, mayor, 92 lighting units 13 ft. reinforced hollow ornamental concrete posts with extended base or concrete foundations, one 12 or 15 kva. transformer, one series regulating control panel, two S. P. 2,500 v. lightning arresters, 19,000 ft. No. 8 2,500 v. parkway cable, 2,300 ft. No. 10 D. B. R. C. 600 v. wire in posts, 12 street intersection traffic guide light fixtures, etc. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs.

Grain Elevator — Enterprise, Kan. — Kansas Flour Mills Co., Postal Telegraph Bldg., Kansas City, Mo., taking bids 36½ x 36½ ft. work house, incl. 15 storage bins 50,000 bu. capacity, storage house to have 8 circular tanks, 19½ ft. diam., 90 ft. high and 3 interstice bins of 200,000 bu. capacity, etc. $100,000. Horner & Wyatt, 300 Board Trade Bldg., Kansas City, Mo., archts. and engrs. Noted Mar. 19.

Underpass—Winnemucca, Nev.—Apr. 1, by State Hy. Comn., Carson City, 685 ft. underpass under Central Pacific R.R. tracks, here, 7,750 cu.yd. unclassified excav., 370 cu.yd. excav. for 450 lin.ft. 15 in. concrete pipe, etc. Railroad places falsework to support railroad during construction, also structural steel deck and piles. G. W. Borden, state highway engr.

Undergrade Crossing—California—Apr. 6, by State Hy. Comn., Sacramento, undergrade crossing 30 ft. wide, consisting 62 ft. through plate girder, ballast deck bridge on triangular concrete abutments under Western Pacific R.R. tracks, near North Sacramento; undergrade crossing 30 ft. wide, consisting 61 ft. skewed, through steel girder, open deck spans on concrete piers under Sacramento Northern R.R. tracks near North Sacramento, both Sacramento Co.; also 1,130 ft. structural steel and timber sidewalk, 1,111 ft. 16 ft. 9 in. r.w. block roadway pavement on bridge over Eel River, near Scotia, Humboldt Co. R. M. Morton, Sacramento, engr.

BIDS RECEIVED

Station Finish—New York—Bd. Transportation, 49 Lafayette St., New York City, Mar. 20, station finish work for Vernon-Jackson Aves., station on Queensboro Subway Rapid Transit R.R., Queens Boro, and for Montrose Ave. Sta. of 14th St. Eastern Rapid Transit R.R., Brooklyn Boro, from W. Mitchell, 1 DeKalb Ave., Brooklyn, $84,000; miscellaneous construction, etc., at Times Sq. Sta., Manhattan Boro, from Slattery Eng. Co., 10 East 43rd St., New York City, $5,767. Noted Mar. 12.

Subway—Phila., Pa.—H. E. Ehlers, at office Dept. City Transit, 7,184 ft. subway in Broad St. from Stiles to Filbert Sts., combination bid from Winston & Co., Inc., C. A. Locher and Frederick L. Cranford, Inc., foot 6th St. and Gowanus Canal, Brooklyn, N. Y., $16,749,936; from Keystone State Constr. Co., 210 South 13th St., $16,863,437; from Booth & Flinn Ltd., 17 Battery Pl., New York City, $16,965,408; from Patrick McGovern, Inc., 50 East 42nd St., New York City, $17,234,318; from Arundel Corp., Pier 2, Pratt St., Baltimore, Md., $17,490,754; from Rodgers & Hagerty, Inc., Grand Central Terminal, New York City, $17,900,173. Noted Feb. 19.

Pier Extension—San Francisco, Calif.—State Bd. Harbor Commissioners, Ferry Bldg., 200 ft. creosoted pile shed and 646 ft. track extensions on north and south sides of Pier 40, from Clinton Constr. Co., 923 Folsom St., $96,400. Noted Mar. 12.

CONTRACTS AWARDED

Stadium—New Castle, Pa.—Bd. Educ., general contract concrete and steel stadium, to E. E. Austin & Sons, Erie, Pa. $40,500. Noted Mar. 5.

Conduit — Kansas City, Mo. — Kansas City Power & Light Co., 14th and Grand Sts., will replace overhead feeder lines with underground conduits, by day labor. $250,000.

Ferry Boat—Quebec, Que.—Traverse De L'Ile D'Orleans Ltd., Quebec, 43 x 150 ft. steel ferry boat, 14 ft. draught, to Davie Shipbuilding & Repairing Co., Lauzon, $175,000.

Wall—Fraser River, B. C.—S. E. O'Brien, minister Dept. Pub. Wks., Ottawa, Ont., brush, rock and sand filled retaining wall at Woodwards Slough, here, to N. E. Broley, 2167 6th Ave. W., Vancouver, $70,000. Engrs. est. $50,000.

Penstock—Powell River, B. C.—Powell River Co. Ltd., new 1,365 ft. penstock 14 ft. diam, to Horton Steel Wks., Bridgeburg, $102,000.

Material and Equipment

PROPOSED WORK

Tractor—Sonora, Calif.—City plans to purchase street tractor. $3,000-$5,000.

BIDS DESIRED

Cement, etc.—Holyoke, Mass.—Mar. 31, by Bd. Pub. Wks., asphalt for penetration, cement, cold patch, curbing, expansion joint, reinforcing rods, road oil, one 10 ton tandem roller and one grader for 5 ton tractor, etc. G. F. Stone, asst. clk.

Asphalt, etc.—Springfield, Mass.—Apr. 8, by Dept. Streets and Engineering, furnishing as per specifications or penetration construction, asphalt for road surfacing or binding, asphaltic and non-asphaltic road oils, hot and cold tars, castings, sewer pipe, trap rock, cement and curbing. R. P. Marsh, supt.

Basin Cleaning Machines — New York, N. Y.—Apr. 1, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 2 basin cleaning machines.

Tractor, etc.—St. George, N. Y.—Mar. 31, by J. A. Lynch, pres. Richmond Boro, Boro Hall, one 3 ton tractor, one 3 ton truck with dump body, and two 2 ton trucks to Clove Rd. garage.

Graders—Trenton, N. J.—Apr. 9, at office State Hy. Comn., Broad St. Bank Bldg., 20 tractor graders. A. L. Grover, secy.; adv. E. N.-R. Mar. 26.

Street Signs, etc.—Miami, Fla.—Apr. 22, at office City Engineer, 1,076 street sign plates or other markers, etc. C. W. Tomlinson, city clk.; adv. E. N.-R. Mar. 26.

Rock Asphalt — Nashville, Tenn. — Mar. 31, by Bd. Pub. Wks., 800 tons rock asphalt, f.o.b. Nashville. W. W. Southgate, city engr.

Asphalt Heaters—Milwaukee, Wis.—Mar. 30, by Central Bd. Purchases, 2 portable asphalt heaters.

Concrete Mixers—Milwaukee, Wis.—Mar. 31, by Central Bd. Purchases, City Hall, three 1 bag capacity gasoline driven concrete mixers.

Dragline Outfit, etc.—Saxon, Wis.—W. Weber, highway comr. Iron Co., in market for 1 dragline outfit and steam engine.

Screen and Loading Outfit—Fairbault, Minn.—Apr. 2, by F. M. Kaisersatt, aud Rice Co., 1 portable screen and loading outfit for use in road maintenance and construction.

Gasoline Loader, etc.—Minneapolis, Minn. —Apr. 2, by F. S. Gram, city purch. agt., one gasoline bucket loader, two 4 ton gasoline road rollers, and one 1½ cu.yd. clam shell bucket hoist, crawler type. N. W. Elsberg, city engr.

Oil Distributor — Minneapolis, Minn. — Apr. 3, by F. S. Gram, city purch. agt., one 850 gal. oil distributor, and one 3½ ton truck. N. W. Elsberg, city engr.

Brick, etc.—St. Paul, Minn.—Mar. 31, by H. W. Austin, city purch agt., 4,294 sq.yd. 3 in. vertical fibre brick, 133 sq.yd. 3½ in. creosoted wood block, 31 sq.yd. sandstone paving, 12,300 bbl. Portland cement, 8,860 cu.yd. crushed rock or gravel, 589 tons asphalt etc., for paving Central Ave. and Dunlap St. C. M. Shepard, city engr.

Steel—Nebraska—Mar. 31, by State Capitol Comn., Lincoln, approximately 80,000 lbs. steel for temporary railroad bridges. A. McMullen, chn.

Road Machinery—Bowbells, N. D.—Apr. 4, by C. J. Kopriva, aud. Burke Co., road machinery, incl. elevator graders, dump wagon, road maintainers and gravel loaders, new or used.

Trucks, Etc.—Kansas City, Mo.—See "Waste Disposal under contracts awarded."

Tractors—Austin, Tex.—Apr. 4, by G. S. Mathews, judge Travis Co., 3 tractors, not less than 40 hp. for use on roads, f.o.b. here. O. Leonard, Austin, co. engr.

Pipe—Dallas, Tex.—M. G. James, city secy., taking bids 300 tons 6 in. Class B bell and spigot or De Lavaud c.i. pipe, 12 or 16 ft. lengths; also fifty 4 in. Class D c.i. plugs, delivered to 701 Bourbon St.

Tractor, etc. — Galveston, Tex. — A. C. Kelly, city secy. taking bids 5 ton gasoline tractor of track laying type; and one 8 ft. road grader equipped for tractor and horse power. C. A. Holt, Jr., city engr.

Road Oil — Fresno, Calif. — Apr. 6, by D. M. Barnwall, clk. Fresno Co., 100,000 bbls. road oil. C. P. Jensen, Cory Bldg., co. surv.

Brick Making Machinery — Cap-de-la-Madeline, Que. — R. Morrissette, consult. engr., Cap-de-la-Madeline, in market for machinery for making sand lime bricks.

Turbines, etc.—Frankford, Ont.—Kerry & Chace Ltd., engrs., Confederation Life Bldg., Toronto, taking bids two 1,300 hp turbines, probably vertical type with electric generators, etc., here, for Canadian Paperboard Co. $100,000.

Asphalt, Road Oil, etc.—Toronto, Ont.—Mar. 31, by S. L. Squires, deputy minister highways, 110 University Ave., annual supply of asphalt, road oil, calcium chloride, tar, paint, crushed stone, cement, corrugated metal, concrete and vitr. tile, culvert pipe, wire cable, steel reinforcing, etc. $300,000-$500,000. G. Hogarth, ch. engr.

Dredge—Vancouver, B. C.—L. A. Bonner & Co., Room 718, Vancouver Blk., in market for bucket type gold dredge.

BIDS RECEIVED

Asphaltic Cement, etc.—St. George, N. Y. —J. A. Lynch, pres. Richmond Boro, Boro Hall, Mar. 18, from Standard Oil Co., 26 Bway., New York City, 365 tons asphaltic cement $9,037; from Barrett Co., 17 Battery Pl., New York City, 90,000 gal. bituminous road surfacing material $9,720; from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, 235,000 gal. asphaltic macadam binder $36,425, 950 cu.yd. concrete and paving sand $2,280; from New York Trap Rock Co., 101 Park Ave., New York City, 3,900 cu.yd. 1.5 in. and 100 cu.yd. ¾ in. broken stone and 100 cu.yd. screenings $13,038; from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, 1,800 cu.yd. 1.5 in. and 300 cu.yd. ¾ in. broken stone, and 450 cu.yd. screenings $8,084, 1,275 cu.yd. pea gravel $3,085, 1,625 cu.yd. pea gravel $4,436; from J. Johnson Sons, 455 Bway., West New Brighton, 4,200 cu. yd. 1.5 in. and 150 cu.yd. ¾ in. broken stone and 150 cu.yd. screenings $18,430, 2,100 cu.yd. trap rock screenings $7,455; from Liberty Mason Supply Co., 1925 pea gravel in Dist. 3 $7,604.

Paving Blocks and Cement—Milwaukee, Wis.—D. W. Hoan, chn. Central Bd. Purchases, Mar. 17, from Western Lime & Cement Co., 68 Wisconsin St., 20,000 bbls. Portland cement delivered at job as ordered at $3 per bbl., 10,000 bbls. Portland cement delivered to Metropolitan Sewerage Comn. on Jones Island, $2.75 per bbl.; from E. G Stocking, 111 West Washington St., Chicago, Ill., 14 cars (more or less) 3.5 in. rectangular creosoted wood paving blocks $2.07 per sq.yd. Noted Mar. 12.

Brick—Minneapolis, Minn.—F. S. Gram, city purch. agt., Mar. 12, 1,040,000 common brick, from Minneapolis Sand Lime Brick Co. 3400 Main St. N. E., $11 per M; 497,915 exterior face brick, from Streator Clay Mfg. Co., 6 North Michigan Ave., Chicago, Ill., $27.24 per M, f.o.b. Minneapolis or $34.75 per M delivered; 294,593 interior face brick, from Hydraulic Press Brick Co., 1250 Builders Exch., $42 per M; 15,000 fire brick, from Landers-Morrison-Christenson Co., 800 Builders Exch., $32.17 per M. Noted Mar. 5.

CONTRACTS AWARDED

Ties and Timber—New York, N. Y.—Bd. Transportation, 49 Lafayette St., ties and timber for constructing Rapid Transit R.R., to Robinson Lumber Co., 20 West 34th St., $13,639. Noted Mar. 19.

Patch Material, etc. — Towson, Md. — Comrs. Baltimore Co., Court House, 106,450 gal. patch material, f.o.b. plant, to Barrett Co., 36th St. and Grays Ferry, Phila., Pa. $14,371. Noted Feb. 26.

Asphaltic Cement, etc.—Detroit, Mich.—Dept. Purchases & Supplies, City Hall, 20,000 tons refined asphaltic cement, to Standard Oil Co., 910 South Michigan Ave., Chicago, Ill., $22.90 per ton in tank cars, and $26.90 per ton in packages; 30,000 cu.yd. bank run gravel, 15,000 cu.yd. to P. Koenig Coal Co., 1480 Gratiot Ave., $1.55, and 15,000 cu.yd. to United Fuel & Supply Co., Free Press Bldg., $1.60. Noted Feb. 26.

Paving Brick—Detroit, Mich.—Dept. Pub. Wks., City Hall, four hundred thousand 3 x 3.5 x 8.5 paving brick, f.o.b. cars Detroit, to Metropolitan Paving Brick Co., Renkert Bldg., Canton, O., $38.50 per M.

Rails—Detroit, Mich.—Dept. Street Rys., St. Jean and Shoemaker Aves., to Lorain Steel Co., Frick Bldg., Pittsburgh, Pa., 1,000 tons 80 lb. A. S. C. E. rail $45.65 per ton, short lengths $43.65; 500 tons 7 in. 104 lb. girder rail $71, short lengths $69; 3,000 pairs joint plates $3.18 per cwt., 1,200 pairs joint plates for girded rail $4.76 per cwt.

Asphalt, etc.—London, Ont.—Supplies required for year incl. asphalt in tank cars, road oil and liquid asphalt to Imperial Oil Co., 56 Church St., Toronto; iron castings, to Wells Motors Ltd., London; tile, to W. Copp, 85 York St., London; concrete pipe, to Independent Pipe Co., Woodstock.

Pipe—Nelson, B. C.—W. E. Wasson, city clk., 650 tons c.i. pipe, to Gordon & Belvea Ltd., 157 Alexander St., Vancouver, $49,689.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: April 17.

Bridge Construction

Dayton, Ohio.

Sealed proposals will be received at the office of the Department of Public Service of the City of Dayton, State of Ohio, until 12:00 o'clock noon, April 17, 1925, and then publicly opened, for the construction of a concrete bridge across the Great Miami River at Helena Street, to be known as the Island Park Bridge.

Said proposals should be endorsed "Proposal for Construction of the Island Park Bridge in the City of Dayton, Ohio."

Plans, specifications, general provisions and form of proposal, bond and contract for the work are on file in the office of the Director of Public Service, Dayton, Ohio, and may be there seen.

Copies of plans and specifications may be obtained from the Director of Public Service, Dayton, Ohio, upon written application therefor, and the deposit of $15.00, which sum will be refunded upon return of the plans in good condition.

All proposals must be made upon blank forms attached to the specifications. Each bid is to be presented under sealed cover, endorsed as above provided, and filed with the Director of Public Service, Dayton, Ohio, and shall be accompanied by a certified check made payable to the City of Dayton, Ohio, for $2,500.00, or a proposal bond for $5,000.00 signed by a responsible surety company. No bid shall be considered unless such check or bond is enclosed therewith.

A good and sufficient surety company bond will be required for the faithful performance of the construction contract in a sum equal to the full amount of the contract price. Such bond shall be approved as to form by the City Attorney, and as to its sufficiency by the Director of Public Service.

The Director of Public Service reserves the right to reject any or all bids.

GEORGE F. BAKER,
Director of Public Service.

O. R. HARTZELL,
Secy. Dept. of Public Service.

Bids: April 13

Route No. 4, Section No. 28A

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the following:

ROUTE NO. 4, SECTION NO. 28A

Construction of Route No. 4, Section No. 28A, Waretown-Forked River Cutoff, in the County of Ocean. Estimated 23,766 cu.yd. of excavation unclassified; 10,278 cu.yd. Borrow; 33,177 sq.yd. reinforced concrete pavement; 16,249 sq.yd. gravel surface.

Bids for the above will be received at the offices of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, April 13, 1925, at twelve o'clock noon (12.00 Noon), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) for each project upon application to the State Highway Department, Room No. 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey, for not less than ten per cent (10%) of the amount of the bid, provided that the said certificate check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal forms and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provision of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: April 27.

Dredging

Leesburg, Fla.

Sealed proposals on blank forms furnished by the City and addressed to the "Mayor and Commissioners, Leesburg, Florida," will be received until 12 o'clock, noon, April 27, 1925, at Leesburg, Florida, for furnishing all equipment and labor and doing the following work:

Approximately 46,500 cu.yds. sand and muck fill.

Each bid shall be accompanied by a certified check for not less than two hundred and fifty dollars ($250.00), made payable to the City Manager.

Plans and specifications can be seen at the office of the City Manager, and bidding blanks may be obtained from him.

The right is reserved to reject any or all bids.

DR. W. A. MACKENZIE,
Mayor Commissioner.
D. E. BIVINS,
City Manager.
W. E. HARKNESS,
City Clerk.
S. H. JAUDON ENGINEERING CO.,
Engineers.
Leesburg, Florida.

Bids: April 3.

Incinerators

Durham, N. C.

Sealed bids, so marked, will be received by the Purchasing Agent of the City of Durham, N. C. until 2 p.m. April 3, 1925, at which time they will be opened and publicly read at the City Hall, for the construction, ready for use, of three incinerators for the destruction of rubbish and garbage.

Complete detailed plans and specifications together with manufacturers guaranty, price for complete structure and date of completion must be filed before the time of opening bids. Each incinerator must have a guaranteed capacity of two tons per hour. Further detailed requirements for the structures can be obtained from H. W. Kueffner, Director of Public Works.

The City reserves the right to reject any or all bids or to accept such bids as appear in its judgment for the best interests of the City.

A. T. CRUTCHFIELD,
City Purchasing Agent.

Bids: April 23

Bridge Over Wappoo Creek Between St. Andrews Parish and James Island

SANITARY & DRAINAGE COMMISSION OF CHARLESTON COUNTY
Charleston, S. C.

Bids will be received until 12:00 o'clock noon, Thursday, April 23rd, 1925, at offices of the Sanitary and Drainage Commission, No. 39 Broad St., Charleston, S. C., for the construction of steel and concrete bridge over Wappoo Creek between St. Andrews Parish and James Island.

APPROXIMATE QUANTITIES AS FOLLOWS:

Contract No. 1. Steel Superstructure—
220,570 lb. of Steel Superstructure complete in place including painting.
403 Lineal Ft. metal railing.
Necessary machinery and castings complete in place for hand operation.
Necessary machinery and castings complete in place for electric operation.

Contract No. 2. Substructure and Approaches—
5,700 Linear Ft. treated timber piles. (Fenders).
960 Linear Ft. untreated timber piles.
3,085 Linear Ft. concrete piles.
997⅞ Cu.Yd. Class AA concrete.
86,600 Lb. of deformed steel Bars for reinforcement.
53⅛ MBM Treated timber as per plan.
464 Lineal Ft. of concrete railing.
402 Sq.Yd. of Wood Block paving.
460 Sq.Yd. of Sheet Asphalt Pavement.
Removal of Old Bridge. (lump sum).
248 Lb. of Iron Castings (Drains).

Proposals Contract No. 1 must be accompanied by a certified check for six hundred ($600.00) dollars made payable to the Chairman of the Sanitary and Drainage Commission of Charleston County.

Proposals Contract No. 2 must be accompanied by a certified check for fifteen hundred ($1500.00) dollars made payable to the Chairman of the Sanitary and Drainage Commission of Charleston County.

Bid Bonds will not be accepted. Plans, Specifications and Proposal forms are on file at the offices of the Sanitary and Drainage Commission of Charleston County, No. 39 Broad Street, Charleston, S. C. Plans will be furnished at the above address upon request, accompanied by a check for $5.00, and no refunds will be made for plans returned.

Bids: March 30.

Paving

Central Falls, R. I.

Sealed Proposals for laying about 7,000 square yards of granite block pavement on a concrete base on Broad Street, Central Falls, R. I., will be received at the office of the Board of Street, Water and Sewer Commissioners, City Hall, Central Falls, R. I., until 1:30 p.m., March 30th, 1925.

Plans, specifications and form of contract can be seen at the office of the City Engineer.

A certified check for $500.00 must accompany each bid and a surety bond for about one-third of the amount of the contract will be required of the successful bidder.

The Board of Street, Water and Sewer Commissioners reserve the right to reject any and all bids or to accept the proposal they deem to be for the best interest of the City.

JOHN W. WALKER,
ARNOLD ALLENSON,
WALDO H. FISH,
Board of Street, Water and Sewer Commissioners.
Central Falls, R. I.